APRIL 30, 1964
Volume 11 Number 8

#7 to come later

INDEX TABLE

TECHNICAL TRANSLATIONS

MAY 13 1964
Los Angeles Public Library

U.S. DEPARTMENT OF COMMERCE
OFFICE OF TECHNICAL SERVICES
WASHINGTON, D.C. 20230

TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, *Secretary*

OFFICE OF TECHNICAL SERVICES
Donald A. Schon, *Director*

Issued twice a month. Annual subscription $12 ($4 additional for foreign mailing). Single copy 60 cents. Make remittance payable to Superintendent of Documents and mail either to a Department of Commerce field office or to Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402. Address changes should be sent to Superintendent of Documents.

Contents may be reprinted freely. Mention of source will be appreciated.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget, November 22, 1961

TECHNICAL TRANSLATIONS is published in cooperation with the Special Libraries Association Translations Center to list translated technical literature available from the Office of Technical Services, the Library of Congress, the Special Libraries Association, European Translations Center, other cooperating foreign governments, commercial translators, publishers, universities, and other sources.

The Special Libraries Association is responsible for collecting translations from non-Government sources, both domestic and foreign; the Office of Technical Services for collecting translations from both U.S. and foreign government sources since 1940.

The material available from the Office of Technical Services generally has been translated by other agencies of the Government and by private organizations and turned over to OTS for reproduction and distribution. OTS assumes no responsibility for the accuracy of the translations.

OTS provides reference service for the location and identification of translated materials, both completed translations and translations in process.

CONTENTS

	Page
HOW TO ORDER TRANSLATIONS	iii
BIBLIOGRAPHY	525
AGRICULTURE	525
Animal Husbandry	526
Plant Cultivation	526
ASTRONOMY	528
Astrophysics	528
BEHAVIORAL SCIENCES	529
Personnel and Training	529
BIOLOGICAL SCIENCES	530
Anatomy and Physiology	532
Biochemistry	534
Botany	535
General Biology	535
Medical Specialties and Equipment	536
Microbiology	536
Neurology and Psychiatry	537
Pathology	538
Pharmacology and Toxicology	544
Radiobiology	547
Surgery	551
Zoology	552
CHEMISTRY	556
Analytical Chemistry	556
Inorganic Chemistry	557
Organic Chemistry	558
Physical Chemistry	561
EARTH SCIENCES	565
Climatology and Meteorology	566
Frost Science	567
Geology	568
Mineralogy	571
Oceanography	572
ENGINEERING	574
Aeronautical Engineering	575
Chemical Engineering	575
Civil Engineering	577
Electrical and Electronic Engineering	577
Ordnance, Missiles, and Satellite Vehicles	579
Sanitation and Safety Engineering	579
FOOD, HANDLING, AND PACKAGING EQUIPMENT	580
Food	580
MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT	580
Engines and Propulsion Systems	582
Machine Parts and Mechanisms	582
Transport, Traction and Hoist Facilities	582
MATERIALS	583
Ceramics and Refractories	584
Fuels, Lubricants, and Hydraulic Fluids	584
Leather and Textiles	585
Paints and Finishes	586
Photographic Materials	586
Plastics	586
MATHEMATICS	588
Computing Devices	590
MECHANICS	591
Aerodynamics and Pneumatics	592
Hydrodynamics, Hydraulics, and Hydrostatics	593
METALLURGY	595
Ferrous Metals	600
Nonferrous (except light) Metals	602
Structural Metallurgy and Corrosion	603
NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY	604
Instruments and Installations	605

	Page
NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY (CON)	
Nuclear Engineering and Power	605
Nuclear Reactions	605
Nuclear Structure	609
PERSONNEL SUPPLIES AND PERSONAL EQUIPMENT	609
PHYSICS	609
Acoustics	611
Electricity and Magnetism	611
Electronics	611
Molecular Physics and Spectroscopy	612
Optics	613
Solid State Physics	614
Thermodynamics	615
Wave Propagation	618
RESEARCH METHODS, TECHNIQUES AND EQUIPMENT	618
Information Theory	619
SOCIAL SCIENCES	620
Documentation	620
BOOK REVIEWS	A-9
TRANSLATIONS IN PROCESS	B-17
PERIODICALS TRANSLATED COVER-TO-COVER	C-183
Tables of Contents	C-184
AUTHOR INDEX	I-1
JOURNAL INDEX	I-5
NUMBER INDEX	I-11

HOW TO ORDER TRANSLATIONS

The translations reported in this issue are arranged under the categories indicated in the Contents. The sub-groups of the categories are flexible and used only when there are several translations in a particular sub-group. When the subject of a sub-group is not included in the Contents, reference should be made to the general category into which it falls.

References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

Some of the translation notes for individual translations have been marked with the symbol (#) preceding the name of the journal. This symbol indicates that the particular journal is also translated cover-to-cover.

Listed below are agencies from which translations may be purchased. Each entry in the Technical Translations indicates by symbol the agency from which the translation should be ordered, the cost of the translation (if known), and the number by which the translation may be ordered, if such a number exists. Make check or money order payable to the agency indicated.

Some of the translations available from OTS or SLA are supplied in printed form; others are Xerox reproductions. Prices are listed in each entry. Any reports available from OTS or SLA will be provided in microfilm (35mm) on request. The following prices are charged for microfilm: 1 through 20 pages, 80 cents minimum, and three cents per page for every page in excess of 20 pages. Translations ordered from other sources, unless specific information is given to the contrary in the journal entry, are in printed form.

SYMBOLS FOR SOURCES OF TRANSLATIONS

AC
A. Capelo
P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 Constitution Ave., N. W.
Washington, D.C. 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N.W.
Washington, D.C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S.W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Coelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Conn. 06097

INT
International Patent Service N.V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air. Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N.W.
Washington, D.C. 20546

NRCC
National Research Council
Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
Office of Technical Services
Department of Commerce
Washington, D.C. 20230
(Also available through
Department of Commerce
Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N.W.
Washington, D.C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N.W.
Washington, D.C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba Hamamatsu-Cho
Minato-Ku, Tokyo, Japan

DEPOSITORY LIBRARIES FOR TRANSLATIONS

Some documents listed in Technical Translations may be examined at the following libraries:

SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

Carnegie Library of Pittsburgh
4400 Forbes Street
Pittsburgh, Pennsylvania 15213

Georgia Institute of Technology
Price Gilbert Library
Atlanta, Georgia 30300

MIT Libraries
Technical Reports, Room 14-E210
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139

The Pennsylvania State University
University Park, Pennsylvania 16801

University of California
Engineering Library
Los Angeles, California 90000

University of Utah
University of Utah Library
Salt Lake City, Utah 84100

Library of Congress
Washington, D.C. 20540

CUMULATIVE INDEXES

The following Cumulative Indexes for Technical Translations are available from Superintendent of Documents, Government Printing Office, Washington, D.C. 20402:

Volume 1 January - June	1959	$1.50
Volume 2 July - December	1959	$3.00
Volume 3 January - June	1960	$1.00
Volume 4 July - December	1960	$1.00
Volume 5 January - June	1961	$1.00
Volume 6 July - December	1961	$1.00
Volume 7 January - June	1962	$1.00
Volume 8 July - December	1962	$1.00

UNITED STATES DEPARTMENT OF COMMERCE
OFFICE OF TECHNICAL SERVICES
WASHINGTON, D.C. 20230

TECHNICAL TRANSLATIONS

Volume 11, Number 8 Pages 525 - 620 April 30, 1964

BIBLIOGRAPHY

Library of Congress, Washington, D. C.
MONTHLY INDEX OF RUSSIAN ACCESSIONS.
Order from GPO $12.00/year

This index is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Wherever possible, publications printed in other languages spoken in the Soviet Union are also included. It consists of three parts; Part A lists monographic literature published after 1944, with the title in the original language preceded by its English translation; Part B lists periodicals published after 1946; Part C constitutes a subject guide to both the monographs and periodical articles listed in Parts A and B.

AGRICULTURE

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 3. 30 Jan 64, 10p JPRS: 22984.
Order from OTS $0.50 TT-64-21432

Abstract trans. of Magyar Tudomanyos Akademia Agrartudomanyok Osztalyanak Kozlemenyei (Hungary) 1963, v. 22, no. 3/4, p. 225-265, 267-347, 349-361, 363-393, 395-405, 407, 409-421, 423-429, 431-450.

TWO YEARS OF BACTERIA INSECTICIDE RESEARCH OF HUPEI AGRICULTURAL RESEARCH INSTITUTE.
8 Jan 64, 3p JPRS: 22641 (p. 25-27).
Order from OTS $1.25 in TT-64-21227 (p. 25-27)

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1963, 26 Jul, p. 3.

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 112.
23 Jan 64, 28p JPRS: 22866.
Order from OTS $0.75 TT-64-21372

Trans. of 8 selected articles from Dec 63 issues of various Soviet newspapers.
Separate entries have been prepared for 2 articles.

Egiyan, A.
PRODUCTION OF NEW AGRICULTURAL MACHINERY.
23 Jan 64, 4p JPRS: 22866 (p. 25-28)
Order from OTS $0.75 in TT-64-21372 (p. 25-28)

Trans. from Sovetskaya Litva (Lithuanian SSR) 1963, 21 Dec, p. 2.

Nazarov, V.
THE ROLE OF AVIATION IN AGRICULTURE.
23 Jan 64, 6p JPRS: 22866 (p. 11-16)
Order from OTS $0.75 in TT-64-21372 (p. 11-16)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 46[119] p. 17.

Rohm, H.
THE PECULIARTY OF SWISS FARM POLICY
(Die Eigenart der Schweizerischen Bauernpolitik).
[1963] [13p] 2refs
Order from SLA $1.60 TT-64-10359

Trans. of Agrarwirtschaft (West Germany) 1954, v. 3, no. 2 [p. 49-52].

Animal Husbandry

STUDIES ON PREPARATION AND PRESERVATION OF FODDER. 21 Jan 64, 53p 84refs JPRS: 22838.
Order from OTS $1.50 TT-64-21355

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 6, p. 785-797, 808-829, 924-928.

Separate entries have been prepared for the individual articles.

Aleksandrov, N. A., Gefen, N.E., and Gapochko, G. K.
AEROSOL IMMUNIZATION BY DRY POWDER VACCINES AND ANATOXINS. XI. A STUDY OF THE EFFICACY OF AEROSOL REVACCINATION WITH POWDERED BRUCELLOSIS VACCINE. [1963] [15p] FASEB manuscript no. S 312-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13522

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 42-48.

Bocharov, D. A.
IN THE FOOT-AND-MOUTH DISEASE FOCUS: A COMPLEX OF VETERINARY-SANITARY MEASURES (Vochage Yashchura: Kompleks Veterinarno-Sanitarnykh Meropriyatii). 11 Feb 64, 4p Trans. V-1899.
Order from OTS, SLA, or ETC $1.10 TT-64-13697

Trans. of Veterinariya (USSR) 1963, v. 40, no. 11, p. 63-65.

Kocherezhin, V. G.
THE USE OF CHEMICAL AGENTS AND BIOLOGICALLY ACTIVE PREPARATIONS IN ANIMAL HUSBANDRY. 21 Jan 64, 8p JPRS: 22838 (p. 46-53)
Order from OTS $1.50 in TT-64-21355 (p. 40-53)

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 6, p. 924-928.

Mishustin, E. N. and Mirzoeva, V. A.
MICROBIOLOGICAL PRINCIPLES FOR REGULATION OF THE ENSILAGE PROCESS. 21 Jan 64, 18p 13refs JPRS: 22838 (p. 1-18)
Order from OTS $1.50 in TT-64-21355 (p. 1-18)

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 6, p. 785-797. (Abstract available)

Morozov, V.
PRODUCTION OF PHOSPHORITE FERTILIZERS BY THE ACID-FREE METHOD. 24 Feb 64, 4p JPRS: 23340 (p. 74-77).
Order from OTS $2.00 in TT-64-21621 (p. 74-77)

Trans. from Kazakhstanskaya Pravda (USSR) 1963, 1 Dec, p. 2.

Satpaev, K., Bekturov, A., Reznyakov, A., Chulturov, Sh., and Shul'zinger, S.
PROCESSING OF KAZAKH PHOSPHORITIES FOR FERTILIZER. 24 Feb 64, 4p JPRS: 23340 (p. 30-33).
Order from OTS $2.00 in TT-64-21621 (p. 30-33)

Trans. from Pravda, Moscow (USSR) 1963, 1 Dec, p. 2.

Taranov, M. T.
CHEMICAL PRESERVATION OF VERY DAMP FODDER. 21 Jan 64, 27p 71refs JPRS: 22838 (p. 19-45)
Order from OTS $1.50 in TT-64-21355 (p. 19-45)

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 6, p. 808-829. (Abstract available)

Tsinkov, M.
RESERVES FOR THE INCREASE IN PRODUCTION AND INCOME FROM THE DAIRY. [1963] [20p]
Order from OTS, SLA, or ETC $1.60 TT-64-10353

Trans. of [Ekonomika Sel'skogo Khozyaistva] (USSR) 1953 [v. 24] no. 11, p. 27-35.

Plant Cultivation

SOVIET AGRICULTURAL APPLICATIONS OF PLANT SELECTION AND BREEDING. 17 Dec 63, 17p 4refs JPRS: 22315.
Order from OTS $0.50 TT-64-21038

Trans. of [Moskovskaya Sel'skokhozyaistvennaya Akademiya. Doklady] (USSR) 1961, v. 70, p. 21-25; Agrobiologiya (USSR) 1963, no. 3(141) p. 371-375; Sel'skoe Khozyaistvo Kazakhstana (USSR) 1963, v. 11, no. 4, p. 48-49.

Separate entries have been prepared for the individual articles.

STUDY ON MYCOTROPHY OF FOREST TREES (Studia nad Mikotrofizmem Drzew Lesnych)
A. Radziwill and others, trs. 1964, 132p 82refs PL-480 Agr.
Order from OTS $1.25 TT-60-21227

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, nos. 177-182, p. 5-209.

Separate entries have been prepared for the individual articles.

Aleksandrov, V.G.
LES BACTÉRIES SILICATEES (Silicate Bacteria). 11p, CNRS-II 162.
Order from OTS, ETC or CNRS $1.60 TT-62-28834

Trans. in French of Unidentified Russian language article n.d.

Boullard, B. and Dominik, T.
COMPARATIVE STUDIES ON THE MYCORRHIZAE OF PINUS STROBUS L. FROM VARIOUS HABITATS IN FRANCE AND POLAND (Badania Porownawcze nad Mikoryzami Pinus Strobus L. z Roznych Stanowisk we Francji i w Polsce). 1964, 27p 7refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 106-132)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, no. 178, p. 45-84.

Dominik, T.
CONTRIBUTION TO THE KNOWLEDGE OF MYCOTROPHY OF PINUS BANKSIANA LAMBERT IN FOREST STANDS (Przyczynek do Znajomosci Mikrotrofizmu Pinus Banksiana Lambert w Drzewostanach). 1964, 8p 4refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 61-68)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958. no. 180, p. 101-116.

Dominik, T.
EXPERIMENTS IN TRANSPLANTATION OF SOIL MICROBIOCOENOSES FROM PINE STANDS INTO AGRICULTURAL SOILS (Proby Przeszczepiania Mikrobiocenozy Glebowej Drzewostanow Sosnowych na Tereny Rolne). 1964, 27p 16refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 1-27)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, no. 177, p. 5-43. (Abstract available)

Dominik, T.
STUDY ON MYCOTROPHY OF GENUS POPULUS (Studium nad Mikotrofizmu Rodzaju Populus). 1964, 37p 20refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 69-105)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, no. 181, p. 117-172.

Dominik, T. and Ferchau, H.
PRELIMINARY COMPARATIVE STUDY OF MYCORRHIZAE OF PINUS STROBUS L. IN AMERICA AND EUROPE (Wstepne Studium Porownawcze Mikoryz Pinus Strobus L. w Ameryce i w Europie). 1964, 8p 5refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 53-60)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, no. 179, p. 85-99.

Garibyan, E. M. and Papazyan, M. I.
COMBINED REGIME FERMENTATION OF TOBACCO. [9 Mar 62] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-10601

Trans. of Tabak (USSR) 1960, v. 21, no. 1, p. 49-51.

Gubernator, V. S.
CONVERSION OF SPRING WHEAT AND SPRING BARLEY INTO WINTER CROPS: AN EFFECTIVE METHOD OF CREATING A RAW MATERIAL FOR SELECTION. 17 Dec 63, 8p JPRS: 22315 (p. 6-13)
Order from OTS $0.50 in TT-64-21035 (p. 6-13)

Trans. of Agrobiologiya (USSR) 1963, no. 3(141) p. 371-375.

Gulyakin, I. V. and Yudintseva, E. V.
SECONDARY ACTION OF RADIOACTIVE ISOTOPES (THROUGH THE SEED) ON THE YIELD OF SUBSEQUENT GENERATIONS OF PLANTS. 17 Dec 63, 5p 4refs JPRS: 22315 (p. 1-5)
Order from OTS $0.50 in TT-64-21035 (p. 1-5)

Trans. of [Moskovskays Sel'skokhozyaistvennaya Akademiya. Doklady] (USSR) 1961, v. 70, p. 21-25. (Abstract available)

Hoeser.
DIVISION FOR WHEAT BREEDING (Abteilung für Weizenzüchtung). [1963] [24p]
Order from SLA $2.60 TT-64-10333

Trans. of Landwirtschaftliches Jahrbuch für Bayern (West Germany) 1953 [v. 30] p. 33-46.

Ivanov, V.
RAISING-BARLEY IN KARGANDINSKAYA OBLAST. 17 Dec 63, 4p JPRS: 22315 (p. 14-17)
Order from OTS $0.50 in TT-64-21035 (p. 14-17)

Trans. of Sel'skoe Khozyaistvo Kazakhstana (USSR) 1963, v. 11, no. 4, p. 48-49.

Leveque, A.
STATUS OF SOIL STUDIES IN TOGO. 25 Feb 64, 6p JPRS: 23382.
Order from OTS $0.50 TT-64-21641

Trans. of mono. (memorandum) of the Overseas Scientific and Technical Research Office, Ministry of Rural Economy, Republic of Togo, Jan 64, p. 1-6 and summary.

Pachlewski, R.
STUDIES ON THE MYCOTROPHY OF NATURAL PLANT COMMUNITIES ON WASTE TIPS IN KNUROW AND GLIWICE (UPPER SILESIA) (Badania Mikotrofizmu Naturalnych Zespolow Roslinnych na Haldach Gorniczych w Knurowie i Gliwicach na Gornym Slasku). 1964, 25p 30refs PL-480 Agr.
Order from OTS $1.25 in TT-60-21227 (p. 28-52)

Trans. of Instytut Badawczy Lesnictwa. Prace (Poland) 1958, no. 182, p. 173-209.

Petrov, I. A.
METHOD OF INJECTIONS AND ITS VALUE IN THE TRANSFORMATION OF THE NATURE OF CEREAL CORPS (Metod In"ektsii i Ego Znachenie v Preobrazovanii Prirody Zernovykh Kul'tur). 30 Jul 63 [65p] 4refs Trans. A-1396.
Order from OTS, SLA, or ETC $6.60 TT-63-23544

Trans. of Akademiya Nauk SSSR. Karel'skii Filial [Petrozavodsk]. Trudy, 1959, v. 17, p. 5-37.

Yung, L.A.
EFFICACITÉ DE LA PHOSPHOROBACTÉRINE DANS LES TERRES SABLONNEUSES ET LÉGÈREMENT HERBUES DE LA RÉGION DE KIROV (The Effectiveness of Phosphobacterin on Sod-Podzolized Soils of the Kirov Province). 16p. CNRS-II 94.
Order from OTS, ETC or CNRS $1.60 TT-62-28861

Trans. in French of Zemledelie (USSR) 1954, v.2, no.10, p.62-70.

ASTRONOMY

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 2. 16 Jan 64, 14p JPRS: 22773.
Order from OTS $0.50 TT-64-21312

Trans. of selected abstracts from Referativnyi Zhurnal. [Otdel'nyi Vypusk 51]: Astronomiya (USSR) 1963, no. 9.

Astrophysics

COSMIC RESEARCH, 1963, VOL. 1, NO. 2. 6 Feb 64 [245p] FTD-TT-64-42.
Order from OTS, SLA, or ETC $16.00 TT-64-13665

Trans. of Kosmicheskie Issledovaniya (USSR) 1963, v. 1, no. 2, p. 195-334.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Ariskin, V. I.
EXPRESSION FOR THE DEPTH OF MODULATION OF INTERFERENCE FOR SOURCES OF ELLIPTICAL FORM. 27 Jan 64, 6p 7refs JPRS: 22922 (p. 399-404).
Order from OTS $6.00 in TT-64-21402 (p. 399-404)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 637-640.

Balklav, A.
INVESTIGATION OF THE SPECTRUM OF THE SPATIAL FREQUENCIES OF HIGH-RESOLUTION RADIO INTERFEROMETERS WITH ACCOUNT OF THE TWO-DIMENSIONAL CHARACTER OF THE DIRECTIVITY PATTERN. 27 Jan 64, 25p 11refs JPRS: 22922 (p. 15-39).
Order from OTS $6.00 in TT-64-21402 (p. 15-39)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 437-448. (Abstract available)

Esepkina, N. A. and Korol'kov, D. V.
ON THE DETERMINATION OF THE PARASITIC POLARIZATION OF AN ANTENNA SYSTEM USED IN POLARIZATION MEASUREMENTS (Ob Uchete Parazitnoi Polyarizatsii v Antennoi Sisteme pri Polyarizatsionnykh Izmereniyakh) tr. by J. P. Ruban. [1963] [17p] (foreign text included) 4 refs. [CSIRO] Trans. no. 5898.
Order from OTS, SLA, or ETC $1.60 TT-63-19151

Trans. of Politekh[nicheskii] Inst[itut] Leningrad. [Nauchno-Tekhnicheskii Informatsionnyi Byulleten'] (USSR) 1957, no. 10, p. 19-29.

Filippov, L. I.
PROCESSING OF COSMIC RADAR SIGNALS WITH DIGITAL COMPUTERS BY THE METHOD OF FREQUENCY FILTERING AND STORAGE. 27 Jan 64, 16p JPRS: 22922 (p. 352-367).
Order from OTS $6.00 in TT-64-21402 (p. 352-367)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 616-623. (Abstract available)
Another trans. is available from OTS, SLA, or ETC $1.10 as TT-63-20854 [1963] 10p.

Gorynya, A[nton] A[geevich] and Drofa, V[asilii] K[irillovich].
CONTOUR OF LUNAR BOUNDARY ZONE. 5 Dec 63, [12p] FTD-TT-63-982.
Order from OTS, SLA, or ETC $1.60 TT-64-13326

Unedited rough draft trans. of mono. Rel'e[f] Kraevoi Zony Luny, Kiev, 1962, p. 1-8. (Abstract available)

Idlis, G. M.
THE GALAXY (Galaktika)
George Synenko, tr. Oct 63 [241p] ACIC TC-677.
Order from OTS, SLA, or ETC $16.00 TT-64-13354

Trans. of mono. Struktura i Dinamika Zvezdnykh Sistem (Structure and Dynamics of Stellar Systems) Alma-Ata, 1961, p. 6-147.

Kislyakov, A. G. and Salomonovich, A. E.
RADIO EMISSION FROM THE EQUATORIAL REGION OF THE MOON IN THE 4 mm BAND. 27 Jan 64, 14p 13refs JPRS: 22922 (p. 1-14).
Order from OTS $6.00 in TT-64-21402 (p. 1-14)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 431-435. (Abstract available)

Krotikov, V. D. and Troitskii, V. S.
HEAT FLOW FROM THE INTERIOR OF THE MOON. 27 Jan 64, 3p 10refs JPRS: 22922 (p. 390-392).
Order from OTS $6.00 in TT-64-21402 (p. 390-392)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 633-634.

Lastochkin, V. P., Plankin, E. S., and Stankevich, K. S.
PRECISION MEASUREMENT OF THE FLUX OF RADIO EMISSION FROM THE DISCRETE SOURCE CASSIOPEIA-A AT $\lambda = 3.2$ cm. 27 Jan 64, 2p 4refs JPRS: 22922 (p. 382-383).
Order from OTS $6.00 in TT-64-21402 (p. 382-383)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 631.

Lastochkin, V. P., Porfir'ev, V. A., Stankevich, K. S., Troitskii, V. S., and Kholodilov, N. N.
PRECISION MEASUREMENTS OF THE INTENSITY OF THE RADIO EMISSION OF THE DISCRETE SOURCES CASSIOPEIA-A, CYGNUS-A, AND TAURUS-A IN THE DECIMETER BAND. 27 Jan 64, 6p 4refs JPRS: 22922 (p. 376-381).
Order from OTS $6.00 in TT-64-21402 (p. 376-381)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 629-630.

[Massal'skaya, K. P., comp.].
METEORITICS: BIBLIOGRAPHY. W. Burton and others, trs. Dec 63 [86p] ACIC TC-730.
Order from OTS, SLA, or ETC $8.10 TT-64-13357

Trans. of Meteor[i]tika (USSR) 1963, v. 23, p. 103-130.

Poyarkov, S.G.
AÉRODYNAMIQUE DES MIROIRS PARABOLIQUES ROTATIFS, ENVISAGÉE DU POINT DE VUE DU CALCUL DE LA RÉSISTANCE DES STATIONS D'ÉNERGIE SOLAIRE (Aerodynamics of Rotating Parabolic Mirrors with Intent to Calculate the Resistance of Solar Energy Stations). 22p. CNRS-XV 50.
Order from OTS, ETC or CNRS $2.60 TT-62-28195

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1950, no.8, p.1112-1124.

Troitskii, V. S.
NATURE OF THE MATERIAL OF THE MOON'S OCEANS AND CONTINENTS. 27 Jan 64, 6p 8refs JPRS: 22922 (p. 384-389).
Order from OTS $6.00 in TT-64-21402 (p. 384-389)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 631-633.

BEHAVIORAL SCIENCES

Patrushev, V. I. and Zhukov, V. G.
PHYSIOLOGY OF THE ACT OF ATTENTION. Rept. at Conference of Urals Branch of All-Union Society of Psychologists, 1960. 24 Jan 64, 8p 15refs JPRS: 22892; N64-14147.
Order from OTS $0.50 TT-64-21386

Trans. of #Voprosy Psikhologii (USSR) 1962 [v. 8] no. 5, p. 70-74. (Abstract available)

Personnel and Training

BIOGRAPHIES OF SOVIET SCIENTISTS. 30 Dec 63, 26p JPRS: 22495.
Order from OTS $0.75 TT-64-21150

Trans. of 11 biographical sketches from 1963 issues of various Soviet publications.

Separate entries have been prepared for the individual articles.

Doroshkevich, A. M.
FIRST RESULTS OF WORK WITH A PROGRAMMED TEXTBOOK. 30 Jan 64, 7p JPRS: 22987.
Order from OTS $0.50 TT-64-21435

Trans. of Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 8, p. 51-54. (Abstract available)

BIOLOGICAL SCIENCES

ARCHIVES OF BIOLOGICAL SCIENCES, 1962, VOL. 14, NO. 1/2
Z. Stojadinovic, tr. 1963, 148p 194refs PL-480 HEW.
Order from OTS $1.50 TT-62-11759/1-2

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 1-126.

Separate entries have been prepared for the individual articles.

BIOGRAPHIES OF SOVIET SCIENTISTS.
21 Jan 64, 32p 16refs JPRS: 22842.
Order from OTS $1.00 TT-64-21357

Trans. of 15 biographic articles from Jul-Dec 63 issues of various Russian-language publications.

Separate entries have been prepared for the individual articles.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 5. 17 Jan 64, 6p JPRS: 22791.
Order from OTS $0.50 TT-64-21326

Abstract trans. of Orvosi Hetilap (Hungary) 1963, v. 104, no. 44, p. 2065-2094.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 6. 24 Jan 64, 21p JPRS: 22870.
Order from OTS $0.75 TT-64-21374

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia, East Germany and Poland.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 7. 27 Jan 64, 17p JPRS: 22910.
Order from OTS $0.50 TT-64-21394

Consists of abstracts of articles from the scientific and technical journals of Czechoslovakia, East Germany and Hungary.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 8. 28 Jan 64, 24p JPRS: 22935.
Order from OTS $0.75 TT-64-21410

Consists of abstracts of articles from selected scientific and technical journals of Yugoslavia.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 9. 29 Jan 64, 32p JPRS: 22960.
Order from OTS $1.00 TT-64-21421

Consists of abstracts of articles from selected scientific and technical journals of Hungary.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 10. 30 Jan 64, 20p JPRS: 22979.
Order from OTS $0.75 TT-64-21428

Consists of abstracts of articles from selected scientific and technical journals of Hungary and Poland.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 11. 31 Jan 64, 29p JPRS: 23003.
Order from OTS $1.00 TT-64-21443

Consists of abstracts of articles from selected scientific and technical journals of Poland.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 13. 31 Jan 64, 33p JPRS: 23034.
Order from OTS $1.00 TT-64-21463

Consists of abstracts of articles from selected scientific and technical journals of Poland.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 14. 3 Feb 64, 17p JPRS: 23039.
Order from OTS $0.50 TT-64-21464

Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 27. 24 Feb 64, 8p JPRS: 23344.
Order from OTS $0.50 TT-64-21625

Consists of abstracts of articles from selected scientific and technical journals of East Germany and Yugoslavia.

EXPERIMENTAL MEDICINE AND MICROBIOLOGY, 1963, VOL. 15, NO. 2, P. 107-184. 1963, 1v 125refs PL-480 HEW.
Order from OTS $0.75 TT-63-11411/2

Trans. of Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2.

Separate entries have been prepared for the individual articles.

GENERAL ASSEMBLY OF THE SOVIET ACADEMY OF MEDICAL SCIENCES (NO. 18). 3 Feb 64, 11p JPRS: 23040.
Order from OTS $0.50 TT-64-21465

Trans. of 5 articles from Meditsinskaya Gazeta (USSR) 1963 [v. 26] 1 Nov, p. 3.

RESOLUTION OF ALL-UNION CONGRESS OF NEUROPATHOLOGISTS AND PSYCHIATRISTS (NO. 4) [MOSCOW]. 29 Feb 64, 17p JPRS: 23460.
Order from OTS $0.50 TT-64-21685

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1964, v. 64, no. 1, p. 148-155.

SOVIET RESEARCH IN PHYSIOLOGY, BIONICS AND BIOPHYSICS. 31 Jan 64, 9p JPRS: 23022; N64-14523.
Order from OTS $0.50 TT-64-21453

Trans. from Kommunist, Erevan (USSR) 1963, 3 Apr, p. 4; 8 Aug, p. 3; 16 Oct, p. 2.

SOVIET STUDIES OF THE ECOLOGY OF MARINE INHABITANTS. 20 Feb 64, 25p JPRS: 23331.
Order from OTS $0.75 TT-64-21615

Trans. of Priroda (USSR) 1963 [v. 52] no. 11, p. 27-31, 79-83, 106-108.

Separate entries have been prepared for the individual articles.

Chang, Hsi-chun and Wu, Heng.
A GREAT NEW KOREAN CONTRIBUTION TO MODERN BIOLOGY AND MEDICINE [AND] ENCOURAGING INVENTIONS AND TECHNICAL IMPROVEMENTS. Communist China's Science and Technology: [Selected] Translations no. 69. 29 Jan 64, 7p JPRS: 22965.
Order from OTS $0.50 TT-64-21425

Trans. from Jen Min Jih Pao (Chinese People's Republic) 1963, 10 Dec, p. 2; Kung Jen Jih Pao (Chinese People's Republic) 1963, 26 Dec, p. 2.

Gigov, A. and Bogdanovic, M.
THE GENESIS OF THE PEAT-BOGS IN THE VICINITY OF THE DELIBLATSKA PESCARA (DELIBLATO SANDS). Paper presented at the Congress of Yugoslav Biologists (no. 2) Belgrade, 1962. 1963, 32p 64refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 13-43)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 7-28.

Goroshchenko, Yu. L. and Chuksanova, N. A.
REPORT ON THE SECOND MEETING ON POLYPLOIDY. Dec 63, 11p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1963, v. 5, no. 12 (p. 1090-1100)

Trans. of #Tsitologiya (USSR) 1963, v. 5, no. 3, p. 359-362.

Ivannikova, R. V.
ON THE POSSIBILITY OF DIVISION OF CORTICAL NEURONS. 10 Jan 64, 5p 12refs JPRS: 22690.
Order from OTS $0.50 TT-64-21258

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 1, p. 93-95.

Jankovic, Milorad.
THE IMPORTANCE OF THE CHARACTER OF HELIOGEOPHYSICAL CONDITIONS FOR THE ECOLOGICAL TYPOLOGY AND METABOLISM OF THE BASIC TYPES OF BIOGEOCOENOSES IN YUGOSLAVIA. Paper presented at the Congress of Yugoslav Biologists (no. 2) Belgrade, 7-10 Feb 62. 1963, 16p 32refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 45-60)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 33-36.

Palladina, L.I. and Gudina, A.M.
QUELQUES DONNÉES SUR LA NATURE DES STIMULANTS BIOGÈNES (Nature of Biogenic Stimulators). 9p. 8refs. CNRS-III 103.
Order from OTS, ETC or CNRS $1.10 TT-62-28349

Trans. in French of Akademiya Nauk SSSR. Doklady, 1952, v.87, no.2, p.249-252.

Vinogradov, K. A.
THE ODESSA BIOLOGICAL STATION OF THE INSTITUTE OF HYDROBIOLOGY OF THE ACADEMY OF SCIENCES UKRAINIAN SSR, ITS HISTORICAL BACKGROUND AND RESEARCH WORK. 18 Feb 64, 8p JPRS: 23281 (p. 49-56).
Order from OTS $1.50 in TT-64-21588 (p. 49-56)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 554-558.

Viotskaya, S. O.
CONFERENCE ON A STUDY OF THE FLORA AND FAUNA OF THE CARPATHIANS [SMOLENITSKII, MAY 63]. 2 Jan 64, 1p JPRS: 22584 (p. 26).
Order from OTS $1.25 in TT-64-21193 (p. 26)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 80.

Zaitsev, Yu. P.
ON THE BORDER BETWEEN TWO OCEANS.
20 Feb 64, 10p JPRS: 23331 (p. 1-10).
Order from OTS $0.75 in TT-64-21615 (p. 1-10)

Trans. of Priroda (USSR) 1963 [v. 52] no. 11, p. 27-31.

Zaskal'ko, N. I.
DIURNAL RHYTHM OF CELL DIVISION IN TISSUE CULTURES. [1963] [12p] 19refs FASEB Ms no.: S622-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13830

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 5, p. 104-108.

Anatomy and Physiology

Anastasijevic, Radmilo P.
A CONTRIBUTION TO THE STUDY OF THE CONTRACTION OF THE SKELETAL MUSCLES. I. AN ANALYSIS OF THE PHOTOGRAPHICALLY RECORDED SUMMATIONS OF THE CONTRACTIONS OF FREELY LYING AND COMPLETELY UNSTRAINED MUSCLES. 1963, 6p 13refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 57-62)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 318-325. (Abstract available)

Anastasijevic, Radmilo P.
A CONTRIBUTION TO THE STUDY OF [THE CONTRACTION OF THE SKELETAL MUSCLES]. II. AN ANALYSIS OF THE PHOTOGRAPHICALLY REGISTERED SUMMATIONS OF CONTRACTIONS OF THE WHOLE FREELY HANGING AND UNSTRAINED MUSCLE AND ITS VARIOUS PARTS. 1963, 6p 8refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 63-68)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 327-334.

Berezovs'kyi, V. Ya.
TEMPORARY LOCAL TEMPERATURE FLUCTUATIONS IN THE CEREBRAL CORTEX OF THE DOG AND THEIR DEPENDENCE ON REGIONAL BLOOD CIRCULATION (Korotkochasni Mistsevi Kolyvannya Temperatury Kory Holovnoho Mozku Sobaky i Yich Zalezhnist' vid Regionarnoho Krovoobihu). [1963] [17p] 31refs FASEB manuscript no. S 272-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13531

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9, no. 1, p. 90-95.

Braer, Ernest.
THE NONESTERIFIED FATTY ACID CONTENT IN THE BLOOD OF NEONATES IN RELATION TO THE TIME OF FIRST BREAST-FEEDING BY THE MOTHER (Soderzhanie Neesterifitsirovannykh Zhirnykh Kislot v Krovi Novorozhdennykh v Zavisimosti ot Nachala Pervogo Vskarmlivaniya Grud'yu Materi). [1963] [12p] 23refs FASEB manuscript no. S 244-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13516

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 1, p. 56-60.

Bronovets, L. N.
THE FUNCTIONAL STATE OF THE HEART IN ESSENTIALLY NORMAL PERSONS AT VARIOUS AGES. [1963] [16p] 15refs FASEB manuscript no. S 568-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13431

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 5, p. 79-83.

Cankovic, J. G.
CERTAIN CHARACTERISTICS OF THE MICROSCOPIC STRUCTURE OF THE MAIN NERVOUS NETWORKS IN THE DIGESTIVE TRACT. 1963, 8p 26refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 17-24)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 265-273.

Chekin, V. Ya.
ON THE QUESTION OF THE EFFECT OF METEOROLOGICAL FACTORS ON THE VASCULAR TONE (K Voprosu o Vliyanii Meteorologicheskikh Faktorov na Sosudistyi Tonus)
A. Pingell, tr. 19 Nov 63, 6p 6refs NRL Trans. no. 956.
Order from OTS $0.50 TT-64-11515

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 25 [no. 1] p. 71-73.

Fudel'-Osipova, S. I.
CERTAIN BIOMORPHOLOGICAL PRINCIPLES OF THE AGING OF THE SKELETAL MUSCULATURE (Nekotorye Biomorfologicheskie Zakonomernosti Stareniya Skeletnoi Muskulatury) tr. by Z. D. Knowles. 16 Jul 63, 14p 24refs NIH no. 7-27-63.
Order from OTS, SLA, or ETC $1.10 TT-63-23549

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963 [v. 18] no. 2, p. 60-70.

Fudel'-Osipova, S. I.
CONTRIBUTION TO THE STUDY OF THE AGE-ASSOCIATED CHARACTERISTICS OF THE EXCITABILITY AND FUNCTIONAL MOBILITY OF THE NEUROMUSCULAR APPARATUS IN WARM-BLOODED ANIMALS, tr. by P. DePorte. 17 Jul 63 [9p] 19refs NIH no. 7-28-63.
Order from OTS, SLA, or ETC $1.10 TT-63-23548

Trans. of #[Fiziologicheskii Zhurnal SSSR] 1962, v. 48, no. 9, p. 1099-1104. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-63-19393, FASEB S-280-2 [1963] [14p].

Gambaryan, L[eon] S.
THE MOTOR ANALYSOR: EXPERIMENTAL STUDIES A. Ferber, tr. 1963, 170p 376refs PL-480 HEW.
Order from OTS $1.75 TT-63-11174

Trans. of mono. Voprosy Fiziologii Dvigatel'nogo Analizatora: Eksperimental'noe Issledovanie, Moscow, 1962 [238p].

Gross, F.
ALDOSTERONE AND HYPERTENSION: EXPERIMENTAL FINDINGS (Aldosteron und Hochdruck: Experimentelle Befunde). Oct 63, 18p 56refs
Order from SLA $1.60 TT-64-10510

Trans. of mono. Deutschen Gesellschaft für Endokrinologie Symposium (no. 9) Wiesbaden/Mainz, 3-5 May 62, pub. Berlin/Gottingen/Heidelberg, 1963, p. 1-13. (Abstract available)

Kushelova, T. F.
MORPHOLOGY OF CARDIAC GANGLIA IN THE CAT. [1963] [11p] (figs omitted) 26refs
FASEB Manuscript no. S 122-3.
Order from OTS or SLA $1.60 TT-63-23908
figs available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 3, p. 55-60. (Abstract available)

Kuz'mina, T. R.
ELECTROCHEMICAL PROPERTIES OF THE BLOOD OF CATS DURING DEATH FROM ACUTE BLOOD LOSS AND SUBSEQUENT RESUSCITATION. [1963] [12p] 10refs FASEB Ms no.: S554-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13861

Trans. of Leningrad U. Vestnik (USSR) 1963, [v. 18] no. 3 [Seriya Biologii] no. 1, p. 109-115.

Magura, I. S.
ON CERTAIN PROPERTIES OF THE MUSCLE FIBER MEMBRANE WITH RESPECT TO RUBIDIUM IONS. [1963] [13p] FASEB manuscript no. S 347-2
Order from OTS, SLA, or ETC $1.60 TT-64-13413

Trans. of Fiziologichnyi Zhurnal (USSR) 1962, v. 8, no. 1, p. 107-111.

Makarchenko, O. F. and Gorbach, M. L.
SOME PHILOSOPHICAL PROBLEMS OF THE INTERRELATIONSHIP OF PHYSIOLOGY AND CYBERNETICS. 4 Feb 64, 12p JPRS: 23060.
Order from OTS $0.50 TT-64-21477

Trans. of Fiziologichnyi Zhurnal (USSR) 1963, v. 9, no. 6, p. 707-715.

Makarov, P. O.
THE PROBLEM OF THE REFLECTION OF MOVING AND MOTIONLESS OPTIC STIMULI. [1963] [12p] FASEB Ms no.: S555-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13818

Trans. of Leningrad U. Vestnik (USSR) 1963 [v. 18] no. 3 [Seriya Biologii] no. 1, p. 139-143.

Neskovic, M., Mladenovic-Stojimirovic, Z., Bojanovic, J., Jevtovic, A., and others.
THE CORRELATION OF PROTEIN, LIPID, AND GLYCID METABOLISM. II. EFFECT OF INTRAVENOUS INJECTION OF GLUCOSE ON FATTY ACIDS OF BLOOD PLASMA IN DOGS DURING STARVATION. 1963, 9p 11refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 64-72)

Trans. of Acta Medica Tugoslavica, 1962, v. 16, no. 2, p. 201-210. (Abstract available)

Neskovic, M., Zivkovic, R., Corbic, M., Bojanovic, Z. and Mladenovic-Stojimirovic, Z.
THE CORRELATION OF PROTEIN, LIPID, AND GLYCID METABOLISM. IV. EFFECTS OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON FATTY ACIDS OF BLOOD PLASMA IN DOGS, IN NUTRITIONAL HYPERLIPEMIA INDUCED AFTER STARVATION. 1963, 7p 4refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 73-79)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 213-220.

Pavlovic-Hournac, Miroslava.
THE EFFECT OF CULTIVATION IN VITRO ON THE SUCCESS, GROWTH, AND I^{131} METABOLISM OF THYROID GLAND GRAFTS. Paper presented at the Congress of Yugoslav Biologists (no. 2) Belgrade, 7-10 Feb 62. 1963, 12p 23refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2(p. 137-148)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1-2, p. 117-126.

Petrova, R. M.
DEVELOPMENT OF THE LARYNGEAL CAVITY IN HUMAN EMBRYOGENESIS. [1963] [13p] 11refs FASEB Ms no.: S543-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13829
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 4, p. 100-105.

Povetkina, Z. G.
NORMAL VALUES OF THE MAJOR HEMATOLOGIC INDICES IN THE DOG. [1963] [10p] 12refs FASEB manuscript no. S 376-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13404

Trans. of #Fiziologicheskii Zhurnal SSSR, 1963, v. 49, no. 3, p. 366-369.

Prives, M. G.
THE EFFECT OF G-FORCE ON THE STRUCTURE OF THE VASCULAR SYSTEM. 28 Jan 64, 15p 36refs JPRS: 22956; N64-14134.
Order from OTS $0.50 TT-64-21420

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 11, p. 3-13.

Sevaljevic, Lj.
POLAROGRAPHIC ANALYSIS OF THE BLOOD SERUM PROTEINS. II. POLAROGRAPHIC CHARACTERIZATION OF DIFFERENT FRACTIONS OF NATIVE SERUM PROTEINS. 1963, 9p 3refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 80-88)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 222-232. (Abstract available)

Shakhnazarov, G. M.
DETERMINATION OF WEIGHT OF ORGANS AND TISSUES OF LIVING ANIMALS. [1963] [8p] 4refs FASEB Ms no. : S684-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13832

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 3, p. 454-459.

Shibaeva, S. M.
AGE CHANGES AND HISTOCHEMICAL CHARACTERISTICS OF LIPIDS OF HUMAN TRACHEAL CARTILAGE. [1963] [13p] 7refs FASEB Ms no.: S355-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13828
figs available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 3, p. 65-70.

Sudzilovskii, F. V. and Khromov, O. P.
MORPHOLOGICAL CHANGES IN THE CERVICAL PORTION OF THE VERTEBRAL COLUMN IN WRESTLERS. [1963] [15p] 28refs FASEB Ms no.: S347-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13826
figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 44, no. 2, p. 66-72.

Urbantschitsch, Victor.
CONCERNING DISTURBANCES OF EQUILIBRIUM AND APPARENT MOVEMENT (Uber Störungen des Gleichgewichtes und Scheinbewegungen). [1961] 88p.
Order from SLA $8.10 TT-61-14884

Trans. of [Archiv für Ohren-, Nasen- und Kehlkopfheilkunde (Germany) 1897, v. 31] p. 234-294.

Vasil'ev, A. I.
THE ROLE OF THE SYMPATHETIC NERVOUS SYSTEM IN THE FUNCTIONING OF THE PERIPHERAL END OF THE AUDITORY ANALYSOR. [1963] [8p] 15refs FASEB Ms no.: S694-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13825

Trans. of Zhurnal Ushnykh, Nosovykh i Gorlovykh Boleznei (USSR) 1962 [v. 22] no. 4, p. 9-12.

Voitenko, G. M. and Mikhailyuk, L. A.
TEMPORAL ARTERY OSCILLOGRAPHY IN NORMAL SUBJECTS. [1963] [15p] 15refs FASEB manuscript no. S 569-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13432

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 5, p. 83-87.

Vuco, J. and Todorovic, B.
AFFERENT DISCHARGE FROM THE MUSCLE SPINDLE DURING THE COOLING OF THE MUSCLE. Paper presented at the Congress of Yugoslav Physiologists (no. 2) Belgrade, Jun 61. 1963, 7p 9refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 113-119)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 95-99. (Abstract available)

Biochemistry

TRANSLATIONS ON BIOCHEMISTRY. 22 Nov 63, 21p 60refs JPRS: 22022; N64-10856.
Order from OTS $0.75 TT-63-41228

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 665-679.
Separate entries have been prepared for the individual articles.

Dolgova-Korubun, V. and Sestakov, G.
THE RELEASE OF RADIOIODINE 131 BY POTASSIUM PERCHLORATE AND POTASSIUM THIOCYNATE FROM THE THYROID GLAND AND OTHER TISSUES. 1963, 8p 13refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 69-76)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 336-344.

Portugalov, V. V., Krasnov, I. B., and Ball', T. V.
HISTOCHEMICAL EVALUATION OF DENATURATION CHANGES IN NERVE CELL PROTEINS DURING THE ACTION OF ETHANOL. [1963] [7p] 10refs
FASEB Ms no. S582-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13820
figs available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 108-110.

Zaets, T. L. and Borisova, T. A.
POST-BURNING CHANGES IN PROTEIN AND NUCLEIC ACID METABOLISM IN ANIMAL ORGANISMS.
22 Nov 63, 5p 11refs JPRS: 22022.
Order from OTS $0.75 in TT-63-41228 (p. 17-21)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 677-679.

Botany

ASEN IVANOVICH KHADZHIOLOV (ON HIS 60TH BIRTHDAY). 30 Dec 63, 4p JPRS: 22495 (p. 6-9)
Order from OTS $0.75 in TT-64-21150 (p. 6-9)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 10, p. 123-124.

Danon, Jakov.
PHYTOCOENOLOGICAL EXAMINATIONS OF GRASSLAND OF THE TYPE BROMETO-CYNOSURETUM CRISTATI IN THE VICINITY OF KRIVI VIR. 1963, 7p 8refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 5-11)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 1-5. (Abstract available)

Jankovic, Milorad.
MODIFICATIONS AND THEIR IMPORTANCE IN THE TAXONOMY OF PLANTS. Paper presented at the Congress of Yugoslav Biologists (no. 2) Belgrade, 7-10 Feb 62. 1963, 8p 10refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 61-64)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 41-43.

Mayer, E[rnest].
PREPARATORY WORKS FOR THE FLORA OF SLOVENIA. II. ODONTITES HALL. III. EUPHRASIA L. (Pripravljalna Dela za Floro Slovenije. II. Odontites Hall. III. Euphrasia L.).
K. Ogrin, tr. 1963, 54p 39refs PL-480 Smi.
Order from OTS $0.50 TT-61-11242

Trans. of Slovenska Akademija Znanosti in Umetnosti. [Razred za Prirodoslovne in Medicinske Vede]. Razprave (Yugoslavia) 1955, v. 3, p. 3-65.

Münch, Ernst.
INVESTIGATIONS ON THE HARMONY OF TREE SHAPE (Untersuchungen über die Harmonie der Baumgestalt). 1963 [108p] 63refs
Order from SLA $9.10 TT-64-14305

Slightly abbrev. trans. of Jahrbücher für Wissenschaftliche Botanik (Germany) 1938, v. 86, p. 518-673.

Shkol'nik, M.Ya. and Solov'eva, E.A.
SUR LE ROLE PHYSIOLOGIQUE DE BORE. I. SUPPRESSION DES EFFETS DE L'INSUFFISANCE DE BORE PAR L'ACIDE NUCLEIQUE (The Physiological Role of Boron. I. Elimination of Boron Deficiency by Using Nucleic Acid). 25p. 20refs. CNRS-XXVII 173.
Order from OTS, ETC or CNRS $0.95 TT-62-29198

Trans. in French of Botanicheskii Zhurnal (USSR), 1961, v.46, no.2, p.161-173.
A translation in English is available from OTS or SLA $1.60 as AEC-tr-4808.

Starzycki, S.
VARIATIONS OF HYBRIDS OF WHITE CLOVER (TRIFOLIUM REPENS L.) WITH RED CLOVER (TRIFOLIUM PRATENSE L.) [AND] INVESTIGATION OF INTERSPECIFIC HYBRIDS OF CLOVERS TRIFOLIUM REPENS L. X TRIFOLIUM PRATENSE L.
J. Lowinski, tr. 1963, 91p 49refs PL-480 Agr.
Order from OTS $1.00 TT-61-31276

Trans. of Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland) 1959, v. 3, no. 3, p. 277-319 and 1961, v. 5, no. 3, p. 285-330.

General Biology

Starobogatov, Ya. I.
A CONFERENCE ON JOINT INVESTIGATIONS OF THE FLORA AND FAUNA OF THE WESTERN PACIFIC [LENINGRAD, SEP 62]. JPRS: 23396.
Order from OTS $0.50 TT-64-21654

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 5, p. 938-940.

Yablokov-Khnzoryan, S. M
THE RHYTHM OF EVOLUTION. 13 Jan 64, 16p 16refs JPRS: 22702 (p. 1-16).
Order from OTS $2.25 in TT-64-21267 (p. 1-16)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1433-1445. (Abstract available)

Zhirmunskii, A. V.
SYMPOSIUM ON CYTOECOLOGY IN LENINGRAD [MAY/JUN 63]. 2 Jan 64, 3p JPRS: 22584 (p. 16-18).
Order from OTS $1.25 in TT-64-21193 (p. 16-18)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 69-70.

Medical Specialties and Equipment

ISAAK ABRAMOVICH MEISAKHOVICH. 21 Jan 64, 2p JPRS: 22842 (p. 9-10)
Order from OTS $1.00 in TT-64-21357 (p. 9-10)

Trans. of Stomatologiya (USSR) 1963, v. 42, no. 4, p. 103-104.

MIKHAIL MIKHAILOVICH PETRACHKOV: OBITUARY. 21 Jan 64, 2p JPRS: 22842 (p. 25-26)
Order from OTS $1.00 in TT-64-21357 (p. 25-26)

Summary trans. of Sudebno-Meditsinskaya Ekspertiza (USSR) 1963, v. 6, no. 4, p. 59.

MIKHAIL VLADIMIROVICH PARADOKSOV. 21 Jan 64, 2p JPRS: 22842 (p. 23-24)
Order from OTS $1.00 in TT-64-21357 (p. 23-24)

Trans. of Stomatologiya (USSR) 1963, v. 42, no. 4, p. 102-103.

TOTAL FLUOROGRAPHY. 11 Feb 64, 2p JPRS: 23186 (p. 16-17)
Order from OTS $0.75 in TT-64-21539 (p. 16-17)

Trans. from Komsomol'skaya Pravda (USSR) 1963, 30 Nov, p. 4.

Burmistrov, V. M.
INSTRUMENTS FOR THE SURGICAL TREATMENT OF BURN PATIENTS. 6 Feb 64, 5p (figs omitted) JPRS: 23122 (p. 26-30).
Order from OTS $1.25 in TT-64-21509 (p. 26-30)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 123-128.

Georgievskii, A. S. and Gavrilov, O. K.
ON THE HISTORY OF INTER-RELATIONSHIP BETWEEN THE NATION'S BLOOD BANKS AND THE MILITARY MEDICAL SERVICE. 18 Feb 64, 6p JPRS: 23288.
Order from OTS $0.50 TT-64-21595

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1964, v. 9, no. 1, p. 44-46.

Geselevich, A. M.
LINEAR MECHANICAL SUTURE IN MODERN SURGERY. 6 Feb 64, 5p 7refs JPRS: 23122 (p. 1-5).
Order from OTS $1.25 in TT-64-21509 (p. 1-5)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 37-40.

Kolesov, V. I., Levin, A. O., Vinogradov, A. G., Danilova, L. D., and Leosko, V. A.
CHANGES OF THE MORPHOLOGICAL AND FUNCTIONAL PROPERTIES OF THE BLOOD AND HEMODYNAMICS DURING WORKING WITH EXTRACORPOREAL CIRCULTATION APPARATUS OF NIIEKhA AND I (AIK-59) AND BALYUZEK (ISL-2) SYSTEMS. 27 Jan 64, 9p 18refs JPRS: 22914; N64-14133.
Order from OTS $0.50 TT-64-21397

Trans. of Grudnaya Khirurgiya (USSR) 1963, v. 5, no. 6, p. 34-39. (Abstract available)

Odesskii, I. N., Nemchenok, M. E., and Shteinberg, V. B.
LEV YAKOVLEVICH KHESIN: ON HIS 60TH BIRTHDAY. 21 Jan 64, 2p JPRS: 22842 (p. 1-2)
Order from OTS $1.00 in TT-64-21357 (p. 1-2)

Trans. of Urologiya (USSR) 1963, v. 28, no. 4, p. 95.

Seleznev, S. A. and Khrabova, O. P.
LONG TERM CATHETERIZATION OF THE PORTAL VEIN IN CATS. [1963] [6p] (fig omitted) 13refs FASEB manuscript no. S 248-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13515

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 1, p. 122-123.

Sheinfinkel', V. M.
HYDRAULIC, PNEUMATIC AND ELECTRICAL DEVICES IN PROSTHESES OF THE UPPER EXTREMITIES. 3 Feb 64, 6p 15refs JPRS: 23042.
Order from OTS $0.50 TT-64-21467

Trans. of Ortopediya, Travmatologiya i Protezirovanie (USSR) 1961 [v. 22] no. 5, p. 65-69.

Vinograd-Finkel', F. R., Kiselev, A. E., Ginzburg, F. G., Fedorova, L. I., and Kaukhchishvili, E. I.
USE OF DEEP COLD FOR THE PROLONGED STORAGE OF BLOOD IN THE FROZEN STATE. [1963] [24p] 58refs FASEB Ms no.: S422-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13859
figs available on loan from OTS

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 5, p. 3-16.
Another trans. is available from OTS $2.50 in TT-63-31355, JPRS-20297, 22 Jul 63, 99p.

Microbiology

Aleksandrowicz, Janina.
DETERMINATION OF LOWER (C_1--C_6) AND HIGHER (C_8--C_{18}) FATTY ACIDS IN CULTURE FLUIDS OF CLOSTRIDIA. 1963, 11p 22refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 156-166)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Ch'en, T'ing-wei.
SIGNIFICANCE OF THE USE OF MICROORGANISMS IN THE PREPARATION OF FOOD PRODUCTS AND FODDER. 8 Jan 64, 18p JPRS: 22641 (p. 7-24).
Order from OTS $1.25 in TT-64-21227 (p. 7-24)

Trans. of Chung Kuo Nung Yeh K'o Hsüeh (Chinese People's Republic) 1962, no. 5, p. 41-45.

Fang, Hsin-fang.
A CHAT ON MICROBES. 8 Jan 64, 6p JPRS: 22641 (p. 1-6).
Order from OTS $1.25 in TT-64-21227 (p. 1-6)

Trans. of K'o Hsüeh Ta Chung (Chinese People's Republic) 1962 [no. 1] p. 6-7.

Kaverin, N. V.
THE STUDY OF THE FIRST STAGES OF INTERACTION BETWEEN VIRUSES AND SENSITIVE CELLS. REPT. I. THE ROLE OF LIPOPROTEINS IN ADSORPTION OF VIRUS ON TO THE CELL. [1963] [10p] 10refs FASEB manuscript no. S 252-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13514

Trans. of #Voprosy Virusologii (USSR) 1963, v. 8, no. 1, p. 36-40.

Kochanska-Kiepalowa, Zofia and Taytsch, Zofia Florentyna.
ISOLATION AND PROPERTIES OF INFECTIOUS RIBONUCLEIC ACID FROM COXSACKIE VIRUSES. 1963, 10p 16refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 175-184)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Rybicka, Irena.
SUSCEPTIBILITY OF C. DIPHTHERIAE (PW 8 STRAIN) TO LYSOZYME FROM EGG WHITE. 1963, 12p 21refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 120-131)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Solov'eva, N.K. and Rudaya, S.M.
CARACTÉRISTIQUES DE L'ORGANISME PRODUCTEUR DU NOUVEL ANTIBIOTIQUE ANTIFUNGIQUE - L'ALBOFUNGINE (The Characteristics of the Producent Strain of a New Antifungal Antibiotic, Albofungin). 12p. 8refs. CNRS-XXI 259.

Order from OTS, ETC or CNRS $1.60 TT-62-28881

Trans. in French of #Antibiotiki (USSR) 1959, v.4, no.6, p.5-10.

Sporzynska, Zdzislawa and Mierzejewska, Helena.
STUDIES ON THE PRODUCTION OF α-HEMOLYSIN BY STAPHYLOCOCCI. 1963, 13p 11refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 107-119)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Szulkin, Elzbieta.
SENSITIZATION OF GUINEA PIGS WITH LYOPHILIZED BCG VACCINE. 1963, 7p 6refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 132-138)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Wojciak, Waclaw and Wolska, Emilia.
EFFECT OF STORAGE-CONDITIONS ON THE ADSORBENT OF THE COMBINED DIPHTHERIA-TETANUS PROPHYLACTIC. 1963, 9p 6refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 139-147)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Zakrzewska, Amelia.
STUDIES ON DESOXYRIBONUCLEASE FROM CL. PERFRINGENS. 1963, 8p PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 148-155)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2. (Abstract available)

Neurology and Psychiatry

ALEKSANDR KONSTANTINOVICH STRELYUKHIN: ON HIS 60TH BIRTHDAY. 21 Jan 64, 2p JPRS: 22842 (p. 31-32)
Order from OTS $1.00 in TT-64-21357 (p. 31-32)

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 11, p. 1758.

DMITRII AFANAS'EVICH SHAMBUROV: OBITUARY. 21 Jan 64, 2p JPRS: 22842 (p. 28-29)
Order from OTS $1.00 in TT-64-21357 (p. 28-29)

Summary trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 12, p. 1900.

LEON LAZAREVICH ROKHLIN (ON HIS 60TH BIRTHDAY). 30 Dec 63, 2p JPRS: 22495 (p. 17-18)
Order from OTS $0.75 in TT-64-21150 (p. 17-18)

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 10, p. 1598.

LEONID YAKOVLEVICH NEMLIKHER: OBITUARY. 21 Jan 64, 1p JPRS: 22842 (p. 14)
Order from OTS $1.00 in TT-64-21357 (p. 14)

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 11, p. 1759.

MIKHAIL PAVLOVICH KUTANIN: ON HIS 80TH BIRTHDAY. 21 Jan 64, 2p JPRS: 22842 (p. 7-8)
Order from OTS $1.00 in TT-64-21357 (p. 7-8)

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 11, p. 1756.

STUDIES ON REFLEX SYSTEMS AND CHEMICAL INFLUENCE ON CONDITIONED REFLEX ACTIVITY. 18 Feb 64, 23p 45refs JPRS: 23286.
Order from OTS $0.75 TT-64-21593

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR) 1963, v. 13, no. 2, p. 243-254 and 309-315.

Separate entries have been prepared for the individual articles.

VLADIMIR NIKOLAEVICH MYASISHCHEV: ON HIS 70TH BIRTHDAY. 21 Jan 64, 3p JPRS: 22842 (p. 11-13)
Order from OTS $1.00 in TT-64-21357 (p. 11-13)

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1963, v. 63, no. 12, p. 1898-1899.

Bojanovic, J., Levntal-Karakusevic, M., and Nikolic, K.
THE INFLUENCE OF INSULIN ON THE METABOLISM OF PROTEINS AND GLICIDS. II. THE SERUM LIPID CONTENT IN PERSONS SUFFERING FROM SCHIZOPHRENIA AND ITS CHANGES IN DEEP INSULIN COMA. 1963, 10p 28refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 28-37)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 151-163.

Ivanova, S. N.
DISTURBANCE TO MOTOR FUNCTIONS AND THEIR RESTORATION IN DUCKS FOLLOWING HEMISECTION OF THE LATERAL HALF OF THE SPINAL CORD. [1963] [13p] 7refs FASEB Ms no.: S611-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13823
figs available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 5, p. 29-33.

Klosovskii, B. N. and Kosmarskaya, E. N.
EXCITATORY AND INHIBITORY STATES OF THE BRAIN A. Behar, tr. 1963, 460p 1266refs PL-480 HEW.
Order from OTS $4.50 TT-63-11176

Trans. of mono. Deyatel'noe i Tormoznoe Sostoyanie Mozga, Moscow, 1961 [412p]

Lange, K. A.
URGENT PROBLEMS OF THE PHYSIOLOGY OF THE NERVOUS SYSTEMS. 2 Jan 64, 5p JPRS: 22584 (p. 40-44).
Order from OTS $1.25 in TT-64-21193 (p. 40-44)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 92-94.
Another trans. is available from OTS $0.50 as TT-63-41067, JPRS-21737, 5 Nov 63, 5p.

Litwinski, Léon.
SEPARATION NEUROSES OF INFANTILE ORIGIN AND AUTOPROTECTION (Les Névroses de Séparation d'Origine Infantile et l'Autoprotection). [1963] [20p] 18refs
Order from SLA $1.60 TT-64-10358

Trans. of Enfance (France) 1952, v. 5, p. 250-261.

Mateev, D.
CURRENT VIEWS OF THE RETICULAR FORMATION AND THE CENTRENCEPHALIC SYSTEM. 18 Feb 64, 14p 20refs JPRS: 23286 (p. 1-14).
Order from OTS $0.75 in TT-64-21593 (p. 1-14)

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'snoti (USSR) 1963, v. 13, no. 2, p. 243-254.

Orlov, R. S. and Shvalev, V. N.
EFFECT OF MEDIATORS ON FUNCTIONAL AND MORPHOLOGICAL PROPERTIES OF THE NERVE TRUNK. [1963] [16p] 20refs FASEB Ms no.: S682-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13824
figs available on loan from OTS
Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 3, p. 430-441.

Polilov, M. I.
TEN YEAR'S EXPERIENCE OF THE TREATMENT OF NOCTURNAL ENURESIS IN CHILDREN BY PSYCHOTHERAPY. [1963] [11p] 15refs
FASEB Ms no. S597-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13822

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 5, p. 1-2-106.

Pathology

ACTA MEDICA IUGOSLAVICA, 1962, VOL. 16, NO. 2. 1963, 97p 117refs PL-480 HEW.
Order from OTS $1.00 TT-62-11760/2

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2 p. 121-245.

Separate entries have been prepared for the individual articles.

ACTA MEDICA IUGOSLAVICA, 1962, VOL. 16, NO. 3/4. 1963, 88p 137refs PL-480 HEW.
Order from OTS $1.00 TT-62-11760/3-4

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 247-359.

Separate entries have been prepared for the individual articles.

ALEKSANDRA MIKHAILOVNA VAKHURKINA (ON HER 70TH BIRTHDAY). 30 Dec 63, 2p JPRS: 22495 (p. 25-26)
Order from OTS $0.75 in TT-64-21150 (p. 25-26)

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 10, p. 83-84.

BORIS YAKOVLEVICH PADALKA. 21 Jan 64, 2p JPRS: 22842 (p. 21-22)
Order from OTS $1.00 in TT-64-21357 (p. 21-22)

Trans. of Vrachebnoe Delo (USSR) 1963, no. 11, p. 156.

IRAKLII YAKOVLEVICH TATISHVILI (ON HIS 60TH BIRTHDAY). 30 Dec 63, 3p JPRS: 22495 (p. 22-24)
Order from OTS $0.75 in TT-64-21150 (p. 22-24)

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 6, p. 84-85.

IVAN KHARITONOVICH SHVELIDZE: OBITUARY. 21 Jan 64, 1p JPRS: 22842 (p. 30)
Order from OTS $1.00 in TT-64-21357 (p. 30)

Summary trans. of Vestnik Dermatologii i Venerologii (USSR) 1963, v. 37, no. 11, p. 94.

MIKHAIL L'VOVICH SHCHERBA (OBITUARY). 30 Dec 63, 1p JPRS: 22495 (p. 19)
Order from OTS $0.75 in TT-64-21150 (p. 19)

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 10, p. 158.

NATIONAL AND INTERNATIONAL MEDICAL CONFERENCES TO BE HELD IN RUMANIA IN 1964 AND RUMANIAN PARTICIPATION IN MEDICAL CONFERENCES ABROAD. 19 Feb 64, 6p JPRS: 23297
Order from OTS $0.50 TT-64-21599

Trans. from Muncitorul Sanitar (Rumania) 1964, v. 15, no. 2(710) p. 4.

POLISH MEDICAL JOURNAL, 1962, VOL. 1, NO. 5/6, P. 613-930 AND INDEX NOS. 1-6. 1962, 1v. PL-480 HEW.
Order from OTS $3.25 TT-62-11066/5-6

A Polish journal printed in English consisting of articles reprinted from various Polish journals.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

VLADIMIR GERASIMOVICH MOLOTKOV (ON HIS 60TH BIRTHDAY). 30 Dec 63, 2p JPRS: 22495 (p. 15-16)
Order from OTS $0.75 in TT-64-21150 (p. 15-16)

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 10, p. 82-83.

Abezgauz, A. M.
A STUDY OF PLATELET FUNCTION IN CERTAIN DISEASES OF THE HEMATOPOIETIC SYSTEM IN CHILDREN. [1963] [12p] 6refs FASEB Ms no.: S 607-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13851

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 6, p. 18-21.

Akopyan, M. A.
RESIDUAL AIR AND INSPIRED AIR MIXING TIME IN MITRAL DISEASE, II. [1963] [12p] 7refs
FASEB manuscript no. S 450-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13463

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 3, p. 126-131.

Al'pern, D. E. and Sidorenko, E. V.
CHANGES IN THE NUCLEI OF THE HYPOTHALAMUS IN EXPERIMENTAL ALLERGY. [1963] [7p] 9refs
FASEB Ms no. S583-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13821
figs. available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 110-114.

Aronov, D. M.
BLOOD CALCIUM IN ATHEROSCLEROSIS (O Soderzhanii Kal'tsiya v Krovi pri Ateroskleroze). [1963] [12p] 8refs FASEB Ms no. S428-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13844

Trans. of Kardiologiya (USSR) 1962, v. 2, no. 4, p. 42-46.

Aronov, D. M.
FIRST EXPERIENCE OF THE USE OF TRILON B (EDTA DISODIUM SALT) IN THE TREATMENT OF ATHEROSCLEROSIS PATIENTS WITH ARTERIAL CALCINOSIS. [1963] [15p] 15refs FASEB Ms no.: S563-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13848

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 5, p. 19-23.

Bordyushkov, Yu. N.
DEVELOPMENT OF INTRASPLENIC OVARIAN TRANSPLANTS DURING MECHANICAL STIMULATION OF THE HYPOTHALAMUS. [1963] [9p] 9refs FASEB Ms no. S581-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13819

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 100-104.

Djoric, R., Mocic, M., Pavlovic, J., Cvoric, M., and Varga, I.
INVESTIGATIONS OF POLIOMYELITIS IN SERBIA. II. COMPARATIVE CLINICAL AND VIROLOGICAL DIAGNOSIS OF THE POLIOMYELITIS SYNDROME IN EPIDEMIC CASES IN 1956. 1963, 12p 12refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 5-16)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 247-261.

Djurisic, S.
THE NEGATIVE PHASE OF THE PHENOMENON OF ARBORISATION OF BIOLOGICAL FLUIDS, AND ITS ANALYTICAL SIGNIFICANCE. 1963, 5p PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 38-42)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 166-171.

Dobrova, S. M. and Berezhnov, I. P.
THE PRESENT STATE OF THE PROBLEM OF THE RADIO-ISOTOPE DIAGNOSIS OF TUMORS OF THE EYE. [1963] [14p] 44refs FASEB manuscript no. S 51-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23858

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 77-82. (Abstract available)

Domaradskii, I. V.
ON THE PROGLEM OF THE INVASIVENESS OF THE PLAGUE BACILLUS. 13 May 63 [21p] 73refs ABL Trans. 800; JPRS: R-3096-D.
Order from OTS, SLA, or ETC $2.60 TT-63-23701

Trans. of Irkutskii Gosudarstvennyi Nauchno-Issledovatel'skii Protivochumnyi Institut Sibiri i Dal'nego Vostoka. Izvestiya (USSR) 1959, v. 21, p. 108-121. (Abstract available)

Dunin-Horkawicz, Helena, Malecka, Irena, and Sadowska, Maria.
SEROLOGICAL TESTS IN INFANT DIARRHEA PRODUCED BY ESCHERICHIA COLI TYPE ALPHA AND BETA. 1963, 8p 43refs PL-480 HEW.
Order from OTS $0.75 in TT-63-11411/2 (p. 167-174)

Trans. from Medycyna Doswiadczalna i Mikrobiologia (Poland) 1963, v. 15, no. 2.

Fedotenkov, A. G., Danilova, L. A., Dishkant, I.P., Pafomov, G. A., and Kulagin, I. N.
A NEW METHOD FOR THE PREPARATION OF CADAVERIC BONE MARROW INTENDED FOR TRANSPLANTATION. [1963] [18p] (figs omitted) 25refs FASEB Manuscript no. S 153-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23838
figs available on loan from OTS

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 2, p. 28-34.
Another trans. is available from OTS $0.75 in TT-63-21552, JPRS-18634, 9 Apr 63 [25]p.

Finovskaya, I. V.
CHANGES IN THE CLOTTING MECHANISM OF THE BLOOD IN PATIENTS WITH HEMORRHAGIC THROMBOCYTHEMIA. [1963] [24p] 11refs FASEB Ms no. S 608-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13852

Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 6, p. 21-27.

Gubler, E. V., Katsev, B. A., Kutikov, L. M., Vikhriev, B. S., and Filatov, V. I.
SOME PROBLEMS IN THE USE OF COMPUTERS FOR STATISTICAL ANALYSIS OF PATHOLOGICAL PROCESSES. 20 Jan 64, 11p 8refs JPRS: 22799 (p. 161-171)
Order from OTS $3.00 in TT-64-21334 (p. 161-171)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Ivanitskaya, I. N.
CARDIOVASCULAR RESPONSE TO CONTROLLED PHYSICAL EXERTION IN MITRAL STENOSIS PATIENTS. [1963] [13p] 12refs FASEB Ms no. S545-3
Order from OTS, SLA, or ETC $1.60 TT-64-13847

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 2, p. 23-27.

Kipshidze, N. N., Chumburidze, L. T., Tvildyani, D. D., and Dumbadze, Z. G.
THE DURATION OF THE VARIOUS PHASES OF LEFT VENTRICULAR SYSTOLE AND THE VELOCITY OF PULSE WAVE PROPOGATION ALONG ELASTIC AND MUSCULAR ARTERIES IN PATIENTS WITH HYPERTENSION. [1963] [13p] 25refs
FASEB Ms no.: S670-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13855

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 3, p. 27-33.

Kiryushina, I. N.
THE EFFECT OF HYPERCAPNIA ON THE BLOOD SUPPLY TO THE HEART. [1963] [11p] 15refs
FASEB Ms no. S572-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13862
figs available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 9-14.

Kohoutek, J. and Novak, D.
CARCINOME CHOLANGIOGÈNE DU FOIE APRÈS TRAITEMENT PAR LE THOROTRAST (Cholangiogenni Karcinom Jater po Thorotrastu) (Cholangiogenous Carcinoma of the Liver after Thorotrast). 17p. (foreign text included) CNRS-XXI 398.
Order from OTS, ETC or CNRS $0.80 TT-62-28594

Trans. in French of Československá' Roentgenologie, 1960, v.14, no.2, p.110-115.

Kosir, A.
A CONTRIBUTION TO CARCINOGENESIS. 1963, 7p 2refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 43-49)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2 p. 172-179.

Kostyuk, L. V.
EXPERIMENTAL MYOCARDIAL INFRACTION IN ANIMALS OF VARIOUS AGES. [1963] [19p] FASEB manuscript no. S 151-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13508

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 2, p. 77-84.
Another trans. is available from OTS $2.75 in TT-63-21698, JPRS-18942, 29 Apr 63, 140p.

Kozello, N. A.
BLOOD PROTEIN CHANGES IN AMYLOIDOSIS. [1963] [14p] 5refs FASEB Ms no. S 642-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13853

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 79-85.

Leitès, S.M. and Yakusheva, T.S.
ACTION DU FACTEUR LIPOTROPE DU PANCRÉAS SUR L'INFILTRATION GRAISSEUSE TOXIQUE EXPÉRIMENTALE DU FOIE (The Action of Pancreatic Lepotropic Factor in Experimental Toxic Fathy Infiltration of the Liver). 10p. 1ref. CNRS-III 75
Order from OTS, ETC or CNRS $1.10 TT-62-28354

Trans. in French of Arkhiv Patologii (USSR) 1949, v.11, no.4, p.44-48.

Makarov, A. Yu.
LIPOPROTEINS IN THE CEREBROSPINAL FLUID AND BLOOD SERUM IN TUMORS AND CHRONIC INFLAMMATORY DISEASES OF THE NERVOUS SYSTEM (FROM PAPER ELECTROPHORETIC STYDY). (Lipoproteidy Spinnomozgovoi Zhidkosti i Syvorotki Krovi pri Opukholyakh i Khronicheskikh Vospalitel'nykh Zabolevaniyakh Nervnoi Sistemy (po Dannym Elektroforeza na Bumage). [1963] [17p] 7refs FASEB Manuscript no.: S 433-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24524

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1962, v. 62, no. 4, p. 537-542.

Mamysheva, T. K.
THE PREPARATION AND PRESERVATION OF BONE MARROW FOR CLINICAL PURPOSES: REVIEW OF THE SOVIET AND FOREIGN LITERATURE. 6 Feb 64, 8p 51refs JPRS: 23122 (p, 39-46).
Order from OTS $1.25 in TT-64-21509 (p. 39-46)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 145-149.

Mansurova, I. D.
MICROCHEMICAL INVESTIGATION OF CERTAIN ENZYMES IN LIVER PUNDTURE SPECIMENS FROM PATIENTS WITH EPIDEMIC HEPATITIS. [1963] [8p] 19refs FASEB manuscript no. S370-2.
Order from OTS, SLA, or ETC $1.10 TT-64-13405

Trans. of Laboratornoe Delo (USSR) 1962, v. 8, no. 9, p. 26-29.

Mansurova, I. D. and Panasenko, M. S.
THE DIPHENYLAMINE TEST IN HEPATITIS AND CIRRHOSIS. [1963] [10p] 14refs FASEB manuscript no. S 298-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13526

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 2, p. 78-83.

Myasnikov, L. A. and Zaitsev, V. F.
CHANGE IN TISSUE CHOLESTEROL CONTENT IN EXPERIMENTAL ATHEROSCLEROSIS CAUSED BY THYROIDIN. [1963] [7p] 8refs FASEB Ms no.: S575-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13863

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 47-49.

Nasledova, I. D. and Rafal'skii, Ya. D.
THE EFFECT OF ESTROGENS ON THE DEVELOPMENT OF EXPERIMENTAL ATHEROSCLEROSIS IN RABBITS OF VARIOUS AGES. [1963] [15p] 18refs FASEB Ms no.: S343-3.
Order from OTS SLA, or ETC $1.60 TT-64-13858

Trans. of Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1963, v. 7, no. 1, p. 44-49.

Nemchinskaya, V. L. and Braun, A. D.
CHANGES IN THE PROPERTIES OF ISOLATED CELL NUCLEI IN THE COURSE OF SURVIVAL AND AFTER EXPOSURE TO DIFFERENT AGENTS. [1963] [27p] 16refs FASEB manuscript no. S-121-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13497

Trans. of #Tsitologiya (USSR) 1962, v. 4, no. 4, p. 409-417.

Nikulin, A., Ferluga, J., and Stern, P.
EFFECT OF THE AMOUNT OF TISSUE HISTAMIN OF THE INFLAMMATORY PROCESS. 1963, 4p 8refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 50-53)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 182-186.

Orlov, V. N.
CLINICAL AND ELECTROKYMOGRAPHIC PARALLELS IN PATIENTS WITH SCARS FOLLOWING MYOCARDIAL INFRACTION. [1963] [10p] 8refs FASEB manuscript no. S 585-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13430

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 5, p. 10-15.

Polezhaev, L.
A NEW TREND IN THE STUDY OF REGENERATION. 19 Feb 64, 9p JPRS: 23299.
Order from OTS $0.50 TT-64-21601

Trans. of Meditsinskaya Gazeta (USSR) 1963 [v. 26] 11 Oct, p. 3.

Ponomareva, P. I.
MORPHOLOGICAL CHANGES IN THE OVARIES AND UTERUS OF PATIENTS WITH BREAST CARCINOMA (Morphologicheskie Izmeneniya Yaichnikov i Matki u Bol'nykh Rakom Molochnoi Zhelezy). [1963] [14p] 22refs FASEB Ms no. S537-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13813
figs available on loan from OTS

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 1, p. 48-54.

Predtechenskii, A. N. and Kirov, S. M.
CLINICAL INTERPRETATION OF THE ENZYMORAM IN INFECTIOUS HEPATITIS (Klinicheskaya Otsenka Fermentogrammy pri Infektsionnom Gepatite). [1963] [9p] 8refs FASEB manuscript no. S 498-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13470

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 43-46.

Repin, Yu. M.
EFFECT OF THE DEGREE OF MYOCARDIAL HYPERTROPHY DURING EXPERIMENTAL VITIUM DORDIS ON ORGANISM TOLERANCE TO "HIGH ALTITUDE" HYPOXIA. [1963] [14p] 14refs FASEB Ms no.: S612-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13864
figs available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 5, p. 37-40.

Saidrasulov, S. S.
THE EFFECT OF A NUCLEIC ACID-VITAMIN COMPLEX ON REPARATIVE REGENERATION OF STAB-CUT PENETRATING WOUNDS OF THE MYOCARDIUM (Vliyanie Kompleksa, Vklyuchayushchego Nukleinovye Kisloty i Vitaminy, na Reparativnuyu Regeneratsiyu Kolot-Rezanykh Pronikayushchikh Ran Miokarda). [1963] [13p] 29refs FASEB Ms no. S510-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13860
figs available on loan from OTS

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963, v. 28, no. 1, p. 99-105.

Sevaljevic, Ljiljana.
POLAROGRAPHIC ANALYSIS OF BLOOD SERUM PROTEINS. III. POLAROGRAPHIC CHARACTERISTICS OF DENATURED FRACTIONS OF RABBIT SERUM PROTEINS. 1963, 8p 5refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 37-44)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 290-299) (Abstract available)

Sheyanov, G. G.
THE FUNCTIONAL STATE OF THE CELLS OF THE ISLETS OF LANGERHANS AND THEIR REGENERATION IN EXPERIMENTAL DITHIZON DIABETES. [1963] [13p] 9refs
FASEB Ms no.: S677-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13831
figs. available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 5, p. 72-78.

Shlyanevskii, A. Ya. and Yaglinskii, V. A.
A CASE OF CEREBRAL TUMOR METASTATIZING INTO INTERNAL ORGANS (Sluchai Metastazirovaniya Tserebral'nois Opukholi vo Vnutrennie Organy) Tatiana Boldyreff, tr. 1963, 7p
Order from OTS, SLA, or ETC $1.10 TT-63-23119

Trans. of Zdravookhr[anenie] Kazakh[stana] (USSR) 1962, v. 22 [no. 7] p. 73-75.

Shul'tsev, G. P. and Teodori, M. I.
FOCAL HEMORRHAGES AND NECROSIS OF THE MYOCARDIUM ASSOCIATED WITH EXCESSIVE PHYSICAL EFFORT. [1963] [11p] 6refs FASEB Ms no.: S665-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13854
figs available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 6, p. 33-38.

Sidorovich, S. Kh.
EXTERNAL RESPIRATION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION. [1963] [12p] 12refs FASEB Ms no.: S587-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13849

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 5, p. 34-39.

Simic, B., Todorovic, R., Markovic, R., Simic, A., and Rakovic, V.
THE CORRELATION OF BODY WEIGHT, THICKNESS OF THE SKINFOLD, PERCENTAGE OF FAT IN THE BODY, PLASMA LEVELS OF CHOLESTEROL, PHOSPHOLIPIDS AND TOTAL LIPIDS, AND SYSTOLIC AND DIASTOLIC BLOOD PRESSURES. 1963, 15p 16refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 5-19)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 121-137. (Abstract available)

Smetnev, A. S., Makarova, N. A., and Polikarpova, E. G.
HEMORRHAGIC COMPLICATIONS OF ANTICOAGULANT THERAPY IN MYOCARDIAL INFARCTION. [1963] [11p] 16refs FASEB Ms no.: S 588-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13850

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 5, p. 39-44.

Solun, M. N.
FAT METABOLISM IN DIFFERENT STAGES OF ATHEROSCLEROSIS (K Voprosu o Zhirovom Obmene Raznykh Fazakh Atheroskleroza). [1963] [14p] 14refs FASEB manuscript no. S 429-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13393

Trans. of Kardiologiya (USSR) 1963, v. 2, no. 4, p. 46-52.

Spuzic, I. and Ljaljevic, M.
HISTAMINEMIA IN ACUTE ALLERGIC STATES. 1963, 2p 6refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 96-97)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 243-245. (Abstract available)

Stankovic, Ivan and Cvetkovic, Dobrosav.
A CONTRIBUTION TO THE BIOCHEMISTRY OF ACUTE KERATOCONUS. 1963, 6p 18refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 83-88)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 354-359.

Stepanyan, E. P. and Merkur'eva, P. V.
THE SIGNIFICANCE OF TESTING FOR GLYCOPROTEINS, MUCOPROTEINS, GLUCOSAMINES, AND DIPHENYLAMINE REACTION IN THE BLOOD SERUM OF PATIENTS WITH A MITRAL CARDIAC-DEFECT (Znachenie Opredeleniya Glyukoproteidov, Mukoproteidov, Glyukozamina i Difenilaminovoi Reaktsii v Syvorotke Krovi Bol'nykh Mitral'nym Porokom Serdtsa). [1963] [1]p] 22refs FASEB manuscript no. S 546-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13434

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 2, p. 43-48.

Sukharev, V. M. and Chistyakov, N. M.
COPPER, MANGANESE, IRON, NICKEL, AND COBALT IN THE BLOOD OF PATIENTS WITH BOTKIN'S DISEASE (Soderzhanie Medi, Margantsa, Zheleza, Nikelya i Kobal'ta v Krovi u Bol'nykh Bolezn'yu Botkina). [1963] [13p] 8refs FASEB manuscript no. S 497-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13471

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 38-43.

Tagmizyan, M. N.
ELECTROPHORETIC SEPARATION OF PROTEINS IN HUMAN STOMACH CANCER TUMORS (Elektroforeticheskoe Razdelenie Belkov Rakovykh Opukholei Zheludka Cheloveka). [1963] [10p] 6refs FASEB Ms no. S538-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13814
figs. available on loan from OTS

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 1, p. 59-63.

Tersin, A. L., Matuka, S., Fornazaric, M. R., and Hlaca, D. M.
ANTIBODIES AGAINST SOME ARBOR-VIRUSES AND AGAINST THE BEDSONIAN ANTIGEN IN SERA OF MEN, SHEEP, AND CATTLE IN BOSNIA AND HERCEGOVINA. 1963, 12p 9refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 45-56)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 301-315.

Villako, K. P.
THE ABSORPTION OF Co^{58} LABELED VITAMIN B_{12} FROM THE SMALL INTESTINE IN DIPHYLLOBOTHRIASIS. [1963] [9p] 14refs FASEB Ms no.: S645-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13842

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 105-109.

Vishnevskii, A. A., Protopopov, S. P., and Arshinova, M. N.
NIKOLAI IVANOVICH KRAKOVSKII (ON HIS 60TH BIRTHDAY). 30 Dec 63, 3p JPRS: 22495 (p. 12-14)
Order from OTS $0.75 in TT-64-21150 (p. 12-14)

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 9, p. 148-149.

Vorotnitskaya, N. E., Zelenin, A. V., Lyapunova, E. A., and Meisel', M. N.
LUMINESCENT MICROSCOPE EXAMINATION OF NORMAL AND TUMORAL CELLS FLUOROCHROMIZED WITH ACRIDINE ORANGE AT DIFFERENT pH VALUES. 19 Feb 64, 5p 9refs JPRS: 23298.
Order from OTS $0.50 TT-64-21600

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 3, p. 724-726. (Abstract available)

Yablonovskaya, L. Ya.
SOME CONDITIONS OF IMPLANTATION AND GROWTH OF GLIAL TUMOURS OF THE HUMAN BRAIN IN THE ANTERIOR CHAMBER OF THE RABBIT EYE. [1963] [11p] FASEB Ms no. S448-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13812
figs available on loan from OTS

Trans. of #Voprosy Onkologii (USSR) 1963, v. 9, no. 2, p. 92-98.

Yaroshevskii, A. Ya. and Klemina, I. K.
THE HEMATOLOGY OF RESPIRATORY INSUFFICIENCY (O Gematologii Dykhatel'noi Nedostatochnosti). [1963] [20p] 32refs FASEB manuscript no. S 501-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13443

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 3, p. 70-78.

Yasinovskii, M. A. and Doiko, G. F.
MYOCARDIAL INFARCTION IN RHEUMATIC FEVER. [1963] [14p] 56refs FASEB Ms no. S544-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13846

Trans. of Kardiologiya (USSR) 1963, v. 3, no. 2, p. 10-15.

Zhdanov, V. M. and Parnes, V. A.
CYSTS IN MICE OF THE LOW CANCER C57BL STRAIN. [1963] [17p] 9refs FASEB Ms no. S578-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13815
figs available on loan from OTS

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 4, p. 82-91.

Zinger, E. E.
THE INCIDENCE OF PNEUMOKONIOSIS IN MINES OF THE DONETS COAL FIELDS WITH DIFFERENT GEOLOGICAL CHARACTERISTICS (Rasprostrannenost' Pnevmokoniosa v Shakhtakh Donbassa s Tazlichnymi Gornogeologicheskimi Usloviyami). Jun 63 [13p] 13refs RTS-2271.
Order from OTS, SLA, or ETC $1.60 TT-64-1330

Trans. of mono. Plenum Respublikanskoi Komissii po Bor'be s Silikozom (no. 13) 1961. Materialy, n.p., p. 100-108.

Zivkovic, B., Simic, M., and Curin, H.
THE SEROLOGICAL MANIFESTATIONS OF LATENT INFECTIONS AND RECURRENCES OF EPIDEMIC TYPHOID FEVER. 1963, 11p 10refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 25-35)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 276-288.

Zivkovic, S. and Visnjic-Frajnd, M.
THE CONSEQUENCES OF THE INTRAVENOUS INOCULATION OF BPS 9 TUMOR CELL SUSPENSION IN RATS. 1963, 7p 10refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 89-95)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 234-241.

Pharmacology and Toxicology

ANZHEL IOSIFOVICH PORTNOV: OBITUARY. 21 Jan 64, 1p JPRS: 22842 (p. 27)
Order from OTS $1.00 in TT-64-21357 (p. 27)

Summary trans. of Aptechnoe Delo (USSR) 1963, v. 12, no. 5, p. 94.

Amirov, R. O.
ENHANCEMENT OF THE RESISTANCE OF THE ORGANISM TO THE ACTION OF TOXIC SUBSTANCES: TABLE OF CONTENTS, INTRODUCTION CONCLUSION. 24 Feb 64, 12p JPRS: 23359.
Order from OTS $0.50 TT-64-2163

Trans. from mono. Povyshenie Ustoichivosti Organizma k Deistviyu Toksicheskikh Veshchestv, Baku, 1963, p. 2-5, 85-94.

Courrier, R. and Colonge, R. A.
NEW INVESTIGATIONS CONCERNING THE RELATIONS OF DESOXYCORTICOSTERONE AND PROGESTERONE (Nouvelles Recherches sur les Relations de la Desoxycorticosterone et de la Progesterone). [1963] 5p 8refs
Order from SLA $1.10 TT-64-10313

Trans. of Société de Biologie [et de ses Filiales]. Comptes Rendus des Séances (France) 1952 [v. 146] p. 979-[980].

Dol'nikov, N. A.
THE USE OF QUATELERON. 6 Feb 64, 5p 6refs
JPRS: 23122 (p. 21-25).
Order from OTS $1.25 in TT-64-21509 (p. 21-25)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 99-103.

Gaon, J., Griggs, R. C., Vasiljevic, M., and Alibegovic, S.
INVESTIGATIONS OF CHRONIC ENDEMIC NEPHROPATHY IN YUGOSLAVIA. I. LEAD AS A POSSIBLE ETIOLOGICAL AGENT. 1963, 6p 23refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/3-4 (p. 77-82)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 3/4, p. 346-351.

Gebel', G. Ya.
THE MECHANICAL ACTION AND ENERGY METABOLISM OF THE HEART UNDER THE INFLUENCE OF NEUROTROPIC AND ANTIHISTAMINIC DRUGS, I. [1963] [35p] 26refs FASEB manuscript no. S 427-3.
Order from OTS, SLA, or ETC $3.60 TT-64-13411

Trans. of Kardiologiya (USSR) 1962, v. 2, no. 5, p. 18-27.

Gefter, V. A.
THE EFFECT OF NITROSORBID ON THE CARDIOVASCULAR SYSTEM OF PATIENTS WITH CORONARY INSUFFICIENCY (Vliyanie Nitrosorbida na Serdechno-Sosudistuyu Sistemu Bol'nykh s Koronarnoi Nedostatochnost'yu). [1963] [25p] 31refs FASEB Ms no. S265-3.
Order from OTS, SLA, or ETC $2.60 TT-64-13843

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 2, p. 22-30.

Gilev, A. P.
THE EFFECT OF SEROTONIN ON THE MECHANORECEPTORS OF THE HEART AND LUNGS. [1963] [13p] 34refs FASEB manuscript no. S 210-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13518

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 1, p. 47-52.
Another trans. is available from OTS $2.75 in TT-63-21331, 18 Mar 63 [142p].

Kalinina, N. A.
A MICROBIOLOGIC METHOD FOR DETERMINATION OF THE PHAGOCYTIC FUNCTION OF THE RETICULO-ENDOTHELIAL SYSTEM. [1963] [10p] 41refs FASEB manuscript no. S 326-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13424

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 2, p. 121-213.

Kisin, I. E.
THE EFFECT OF PAPAVERINE, THEOPHYLLINE ETHYLENEDIAMINE AND EPINEPHRINE ON OXIDATION PHOSPHORYLATION AND CREATINE PHOSPHATE CONTENT OF THE MYOCARDIUM (Vliyanie Papaverina, Euffillina i Adrenalina na Okislitel'noe Fosforilovanie i Soderzhanie Kreatinfosfata v Serdechnoi Myshtse). [1963] [13p] 25refs FASEB manuscript no. S 474-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13458

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 2, p.197-201.

Kisin, I. E. and Buyanov, V. V.
THE EFFECT OF EPINEPHRINE, EPHEDRINE, AND PHENAMINE ON CORONARY VESSEL TONE AND MYOCARDIAL OXYGEN UPTAKE, OF A HEART ISOLATED ACCORDING TO LANGENDORF (Vliyanie Adrenalina, Efedrina i Fenamina na Tonus Koronarnykh Sosudov i Pogloshchenie Miokardom Kisloroda v Usloviyakh Isolirovannogo po Langendorfu Serdtsa). [1963] [15p] 20refs FASEB manuscript no. S 321-3.
Order from OTS, SLA, or ETC $1.60 TT-63-24505

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 2, p. 68-73. (Abstract available)

Klosovskii, B. N. and Zhukova, T. P.
THE ACTION OF COLCHICINE ON THE PHASES OF GROWTH OF CEREBRAL CAPILLARIES. [1963] [13p] 18refs FASEB Ms no.: S352-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13827
figs. available on loan from OTS

Trans. of Arkhiv Patologii (USSR) 1963, v. 25, no. 3, p. 38-44.

Krohnke, Otto.
PRODUCTION OF A SKIN AND WOUND SALVE. [1963] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-14502

Trans. of German patent 637,942, appl. 29 Apr 34, pub. 6 Nov 36.

Lakin, K. M.
NEODICOUMARIN ACTION ON CORONARY CIRCULATION. [1963] [14p] 22refs FASEB Ms no.: S293-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13857

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 1, p. 66-72.

Lando, L.I.
INFLUENCE DU PLÉGICYL SUR CERTAINS INDICES BIOCHIMIQUES ET MORPHOLOGIQUES DU SANG CHEZ LE CHIEN (Influence of Plegicil on Some Biochemical and Morphological Properties of the Blood of Dogs). 15p. 10refs. CNRS-XXI 308.
Order from OTS, ETC or CNRS $1.60 62-28907

Trans. in French of Zhurnal Nevropatologii i Psikhiatrii (USSR) 1961, v. 61, no. 6, p. 902-908.

Lautier, Charles.
HISTORY OF MENTHOL. [1962] 11p
Order from SLA $1.60 TT-64-10420

Trans. of Parfumerie Moderne (France) 1923, v. 16, Nov, p. 260-262.
Another trans. is available from K-H $8.75 as K-H-9915-b [1962] 7p.

Leblond, C. P. and Segal, G.
ACTION OF THE COLCHICINE ON THE SUPRARENALS AND THE LYMPHATIC ORGANS (Action de la Colchicine sur la Surrenale et les Organes Lymphatiques). [1963] [4p] 3refs
Order from SLA $1.10 TT-64-10312

Trans. of Société de Biologie [et de ses Filiales]. Comptes Rendus [des Seances] (France) 1938 [v. 128] p. 995-[997].

Luzhis, A. R. and Ryss, E. S.
USE OF QUATELERON IN THERAPY OF PEPTIC ULCER. [1963] [8p] 6refs FASEB manuscript no. no. S 477-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13456

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 35-38.

Matveev, A. A.
EXACERBATIONS OF INFECTIOUS HEPATITIS (BOTKIN'S DISEASE) FOLLOWING TREATMENT WITH CORTICOSTEROIDS. [1963] [18p] 11refs FASEB manuscript no. S 338-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13417

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 2, p. 134-138.

Nikolskaya, B.S. (Aizenberg)
ÉTUDE DES PROPRIÉTÉS HÉMOSTATIQUES ET CICATRISANTES DE PRÉPARATIONS D'ORIGINE VÉGÉTABLE (Issledovanie Krovoostanavlivayushchikh i Ranozazhivlyayushchikh Svoistv Preparatov Rastitel' Nogo Proiskhozhdeniya) (The Blood-Clotting and Wound-Healing Properties of Preparations of Plant Origin). 14p. (foreign text included) 6refs. CNRS-XXI 384.
Order from OTS, ETC or CNRS $0.80 TT-62-28584

Trans. in French of Akademiya Nauk SSSR. Vsesoyuznoe Obshchestvo Fiziologov, Biokhimikov i Farmakologov. Trudy, 1954, no. 2, p. 194-197.

Orlov, V. Ya.
SOME DATA ON THE USE OF MUSCLE RELAXANTS
30 Jan 64, 4p JPRS: 22995; N64-14074.
Order from OTS $0.50 TT-64-21438

Trans. of Eksperimental'naya Khirurgiya i Anesteziologiya (USSR) 1963 [v. 8] no. 6, p. 66-67.

Pilheu, Jorge A. and Iannello, Jose A.
EFFECT OF A NEW HORMONE, TRIAMCINOLONE, COMBINED WITH SPECIFIC TREATMENT IN TUBERCULOSIS (Accion de una Nueva Hormona, la Triamcinolone, Combinada con el Tratamiento Especifico en Tuberculosis). [1963] 11p (figs omitted) 14refs
Order from SLA $1.60 TT-64-1039

Trans. of Asoc[iacion] Med[ica] Argentina [Buenos Aires]. Rev[ista] 1959, v. 73, no. 4, p. 125-130

Rodin, I. M., Sergeev, N. N., Pistsov, N. G., and Shoshiev, L. N.
EXPERIMENTAL SEROTHERAPY OF OMSK HEMORRHAGIC FEVER. [1963] [16p] 11refs FASEB manuscript no. S 403-3.
Order from OTS, SLA, or ETC $1.60 TT-64-1347

Trans. of #Voprosy Virusologii (USSR) 1963, [v. 8] no. 2, p. 193-199.

Serkova, V. K.
DIURETIC EFFECT OF ACTH, CORTISONE, AND PREDNISONE IN PATIENTS WITH CIRCULATORY INSUFFICIENCY. [1963] [7p] 10refs FASEB manuscr no. S 487-3.
Order from OTS, SLA, or ETC $1.10 TT-64-1344

Trans of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 131-133.

Shershevskii, M. G.
THE EFFECT OF VITAMIN B_{12} ON FIBRINOLYSIS IN ATHEROSCLEROSIS (K Vliyaniyu Vitamina B_{12} na Fibrinoliz pri Ayerskleroze). [1963] [8p] 14refs FASEB Ms no.: S268-3.
Order from OTS, SLA, or ETC $1.10 TT-64-1385

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35 no. 2, p. 58-60.

Shvarev, I.F.
MÉCANISME DE L'ACTION VASODILATATRICE DE LA SPHÉROPHYSINE ET DE PAPAVÉRINE (Mechanism of Vasodilator Action by Spherophysine and Papaverine) 9p. 6refs. CNRS-XXI 267.
Order from OTS, ETC or CNRS $1.10 TT-62-28879

Trans. in French of #Farmakologiya i Toksikologiya (USSR) 1960, v. 23, [no. 3] p. 242-245.

Silaev, A.B., Stepanov, V.M. and others.
CHIMIE DE LA POLYMYXINE M.I. COMPOSITION QUALITATIVE EN AMINO-ACIDES, ANALYSE DES GROUPES TERMINAUX (The Chemistry of Polymyxin. I. Qualitative Aminoacid Composition, and Group Analysis). 18p. 26refs. CNRS-XXI 295.
Order from OTS, ETC or CNRS $1.60 TT-62-28889

Trans. in French of #Zhurnal Obshchei Khimii (USSR) 1961, v.31, p.297-305.

Tai, Li-hsin.
NEW PROGRESS IN TETRACYCLINE CHEMISTRY. 16 Jan 64, 46p 47refs JPRS: 22766 (p. 1-46)
Order from OTS $1.50 in TT-64-21308 (p. 1-46)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 9, p. 27-42.

Trinus, F. P.
THE EFFECT OF CERTAIN PHARMACOLOGICAL SUBSTANCES ON RESPIRATION IN THE SMOOTH MUSCLES OF VESSELS (Deistvie Nekotorykh Farmakologicheskikh Sredstv na Dykhanie Gladkoi Muskulatury Sosudov). [1963] [10p] 12refs FASEB manuscript no. S 320-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13426

Trans. of #Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR) 1963, v. 55, no. 2, p. 60-63.

Uraleva, V. S.
COLIMYCIN-RESISTANT FORMS OF BRUCELLA MELITENSIS. [1963] [12p] 8refs FASEB manuscript no. S 183-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13504

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 1, p. 49-53.

Varagic, V. and Mihajlovic, Lj.
THE EFFECT OF HEMICHOLINIUM AND ESERINE ON THE SPONTANEOUS ACTIVITY AND CONDUCTIVITY OF ISOLATED RAT AND GUINEA PIG AURICLES. 1963, 10p 26refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 54-63)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 189-199. (Abstract available)

Radiobiology

RADIOBIOLOGY, 1963, VOL. 3, NO. 3. Dec 63, 225p
Order from OTS $3.00 AEC-tr-5436

Trans. of Radiobiologiya (USSR) 1963, v. 3, no. 3, p. 329-485.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Abdullaev, V. D.
THE EFFECT OF ULTRAVIOLET RADIATION ON THE COURSE OF RADIATION SICKNESS. [1963] [5p] 3refs FASEB Ms no. S 630-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13869

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 4, p. 82-84.
Another trans. is available from OTS $0.50 in TT-63-31186, JPRS-19996, 2 Jul 63, 18p.

Aleksandrov, S. N. and Galkovskaya, K. F.
COMPARATIVE EVALUATION OF THE PROTECTIVE EFFECTIVENESS OF MERCAMINE (BETA-MERCAPTOETHYLAMINE) DURING SINGLE AND FRACTIONATED IRRADIATION. 22 Nov 63, 4p 5refs JPRS: 22022.
Order from OTS $0.75 in TT-63-41228 (p. 1-4)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 665-667.
Another trans. is available from AIP $4.00 in Soviet Physics-Doklady, vol. 8, no. 5.

Balabukha, V. S. and Razumovskii, N. O.
PROSPECTS FOR REMOVING RADIOACTIVE STRONTIUM FROM THE ORGANISM. [1963] [12p] 47refs FASEB Ms no.: S363-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13836

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 71-76.
Another trans is available from OTS $0.50 as TT-63-21695, JPRS-18936, 26 Apr 63, 8p.

Baraboi, V. A. and Matsui, S. P.
EFFECT OF SODIUM GALLATE ON NUCLEIC ACID CONTENT IN THE ORGANS OF HEALTHY AND IRRADIATED RATS. [1963] [16p] 17refs FASEB Ms no.: S413-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13837

Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1963, v. 35, no. 1, p. 84-91.
Another trans is available from OTS $0.50 as TT-63-21895, 23 May 63, 8p.

Bauman, E. A.
MECHANISM OF RADIOBIOLOGICAL LABILIZATION OF HEMOGLOBIN. 22 Nov 63, 4p 15refs JPRS: 22022.
Order from OTS $0.75 in TT-63-41228 (p. 5-8)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 668-670.
Another trans. is available from AIP $4.00 in Soviet Physics-Doklady, v. 8, no. 5.

Berkutov, A. N., Korchanov, L. S., Yaroslavtseva, N. A., Bochagova, D. I.
REPLACEMENT THERAPY AT THE CLIMAX OF ACUTE RADIATION SICKNESS. [1963] [13p] 18refs FASEB manuscript no. S 49-3.
Order from OTS, SLA, or ETC $1.60 TT-63-23857

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 59-65. (Abstract available)

Bogatov, L. V.
THE REACTION OF THE BLOOD SYSTEM IN DOGS TO HEAVY LOSS OF BLOOD AT REMOTE PERIODS AFTER CHRONIC IONIZING IRRADIATION (O Reaktsii Sistemy Krovi u Sobak na Massivnuyu Krovopoteryu v Otdalennye Sroki Posle Khronicheskogo Vozdeistviya Ioniziruyushchei Radiatsii). [1963] [18p] 14refs FASEB Ms no.: S530-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13839

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 28-35.

Dordevic, Bozidar.
THE LETHAL EFFECT OF ULTRAVIOLET LIGHT IN INDIVIDUAL STAGES OF THE DIVISION CYCLE OF MAMMALIAN CELLS CULTIVATED IN VITRO. 1963, 8p 9refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 129-136)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 109-115. (Abstract available)

El'piner, I. E.
ULTRASONICS: PHYSICOCHEMICAL AND BIOLOGICAL ACTION: ACOUSTIC PARAMETERS AND ULTRASONIC VISUALIZATION OF ORGANS AND TISSUES OF MAN AND ANIMALS [AND] CONTENTS.
21 Jan 64, 35p JPRS: 22840.
Order from OTS $1.00 TT-64-21356

Trans. of mono. Ul'trazvuk--Fiziko-Khimicheskoe i Biologicheskoe Deistvie, Moscow, 1963, p. 3-4 and chap. 10, p. 381-411.

Erlikhman, G. I.
THE EFFECTS OF CHRONIC IRRADIATION WITH SMALL RADIATION DOSES ON RESISTANCE TO INFECTION. [1963] [14p] 8refs FASEB Ms no.: S522-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13838

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 3, p. 64-68.

Gintovt, F. V. and Mironov, O. G.
THE RADIOACTIVITY OF SOME ORGANISMS IN THE NEMAN RIVER. 13 Jan 64, 4p 10refs JPRS: 22702 (p. 64-67).
Order from OTS $2.25 in TT-64-21267 (p. 64-67)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1574-1576. (Abstract available)

Gruzdev, G. P., Evseeva, N. K., Rozhdestvenskii, L. M., Fedotova, M. I., and Shcherbova, E. N.
DISTURBANCE OF CELL REGENERATION IN THE BONE MARROW OF IRRADIATED RATES. [1963] [14p] 12refs FASEB Ms No.: S 531-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13840

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 35-42.

Hajdukovic, S., Ninkov, V., Petrovic, N., Raskovic, D., and Petrovic, Lj.
THE EFFECT OF POST-IRRADIATION BLEEDING ON THE HEMATOLOGICAL REGENERATION AND SURVIVAL OF IRRADIATED MICE. 1963, 11p 8refs PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 236-246)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 236-246. (Abstract available)

Ivanova, E. A.
EFFECT OF SOMATOTROPIC HORMONE OF ANTERIOR HYPOPHYSICS ON BONE UNDER IRRADIATION CONDITIONS. 22 Nov 63, 5p 13refs JPRS: 22022
Order from OTS $0.75 in TT-63-41228 (p. 9-13)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 671-674.
Another trans. is available from AIP $4.00 in Soviet Physics-Doklady, v. 8, no. 5. (Abstract available)

Kalistratova, V. S.
THE EFFECTS OF AN INFLAMMATORY PROCESS IN THE LUNGS ON RADIOSTRONTIUM DISTRIBUTION IN THE ORGANISM. [1963] [10p] 4refs FASEB Ms no. S 360-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13834

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 57-61.

Kalyuzhnyi, L. V.
THE NATURE OF THE EFFECT OF NORADRENALIN ON CONDITIONED-REFLEX ACTIVITY WHEN INJECTED DIRECTLY INTO THE BRAIN. 18 Feb 64, 9p 25refs JPRS: 23286 (p. 15-23).
Order from OTS $0.75 in TT-64-21593 (p. 15-23)

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR) 1963, v. 13, no. 2. p. 309-315.

Katsnel'son, V. A., Klyachina, K. N., Belobragina, G. V., Girskaya, E. A., and Babushkina, L. G.
THE HYGIENIC SIGNIFICANCE OF NATURAL RADIOACTIVITY IN THE MINING AND CONCENTRATION OF VARIOUS RARE METAL ORES AND ITS ROLE IN THE DEVELOPMENT OF PNEUMOCONIOSIS. [1963] [9p] 13refs FASEB Ms no.: S462-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13866
figs available on loan from OTS

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963 [v. 7] no. 4, p. 3-9.
Another trans. is available from OTS $0.50 as TT-63-31118, JPRS-19866, 26 Jun 63, 11p.

Koval'skaya, L. P. and Silaeva, S. V.
PRELIMINARY RESEARCH IN THE STUDY OF THE ACTION OF IONIZING RAYS ON THE STORAGE LIFE OF FRESH TANGERINES (Predvaritel'nye Issledovaniya po Izucheniyu Deistviya Ioniziruyushchikh Izluchenii na Sroki Khraneniya Svezhikh Mandarinov) D. J. B., tr. 6 Jan 64, 9p I-3784.
Order from OTS $0.50 TT-64-11559

Trans. of Konservnaya i Ovoshchesushil'naya Promyshlennost' (USSR) 1963 [v. 18] no. 9, p. 26-29.

Krikshtopaitis, M. I. and Pashkyavichos, V. R.
POSSIBLE CLINICAL CURE OF CANCER OF THE THYROID BY I^{131}. [1963] [8p] FASEB Ms no. S629-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13817

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 4, p. 80-81.

Kuznetsova, L. V. and Egorova, M. S.
THE ASSESSMENT OF β-RADIATION AS A FACTOR AFFECTING CYCLOTRON OPERATORS. [1963] [12p] 4refs FASEB Ms no.: S357-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13833

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 34-38.

Mastbaum, I. S.
DYNAMICS OF I^{131} ACCUMULATION IN THE EARLY PERIOD FOLLOWING OPERATION ON THE THYROID GLAND. [1963] [14p] 10refs FASEB manuscript no. S 305-2.
Order from OTS, SLA, or ETC $1.60 TT-64-13525

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 8, p. 3-11.

Mats, D. I. and Shantyr', V. I.
ORGANIZATIONAL PROBLEMS OF RADIOLOGICAL CARE. 31 Jan 64, 6p JPRS: 23029 (p. 5-10).
Order from OTS $0.50 in TT-64-21458 (p. 5-10)

Trans. of mono. Lechebnoe i Diagnosticheskoe Primenenie Radioaktivnykh Izotopov, Kiev, 1963, p. 256-257.

Matusevich, E. S. and Tsypin, S. G.
PROBLEMS IN PROTECTING HUMAN BEINGS FROM RADIATION IN SPACE. 19 Feb 64, 11p 34refs JPRS: 23306.
Order from OTS $0.50 TT-64-21606

Trans. of #Atomnaya Energiya (USSR) 1963, v. 15, no. 6. p. 499-504. (Abstract available)

Meisel', M. N. and Manteifel', V. M.
THE NATURE OF MICRONECROTIC FOCI OF HEMOPOIETIC ORGANS OF ANIMALS EXPOSED TO RADIATION. 27 Jan 64, 12p 21refs JPRS: 22915; N64-14148.
Order from OTS $0.50 TT-64-21398

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963 [v. 28] no. 6, p. 871-878.

Mihajlovic, M., Fajdiga, N., and Mihajlovic, M. V.
X-RAY FILM DOSIMETRY FOR PROFESSIONALLY EXPOSED PERSONNEL. 1963, 8p 3refs PL-480 HEW.
Order from OTS $1.00 in TT-62-11760/2 (p. 20-27)

Trans. of Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 141-149. (Abstract available)

Mindlin, S. S.
THE CARDIOVASCULAR EFFECTS OF IONIZING RADIATION IN RADIATION THERAPY OF TUMOR PATIENTS. [1963] [16p] 7refs FASEB Ms no.: S356-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13865

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 26-31.

Mironov, O. G.
RADIOACTIVITY OF SOME MARINE ANIMALS OF FEODOSIISKII BAY. 18 Feb 64, 5p 5refs JPRS: 23285 (p. 50-54).
Order from OTS $1.50 in TT-64-21592 (p. 50-54)

Trans. of Zoologicheskii Zhurnal (USSR) 1963 [v. 42] no. 11, p. 1722-1724.

Moskalev, Yu. I.
INTERNATIONAL CONFERENCE ON THE DIAGNOSIS AND TREATMENT OF CONTAMINATION BY RADIOACTIVE ISOTOPES, VIENNA, 19 Oct 62. 3 Jan 64, 26p JPRS: 22610; N64-13320.
Order from OTS $0.75 TT-64-21214

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 8, p. 77-87.

Omel'yanenko, L. M. and Merkova, M. A.
CHANGES IN THE NERVOUS SYSTEM AND INTERNAL ORGANS AT LONG INTERVALS AFTER RADIOTHERAPY. [1963] [11p] 6refs FASEB Manuscript no. S414-2.
Order from OTS, SLA, or ETC $1.60 TT-63-23889

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 3, p. 8-13. (Abstract available)

Piksanov, O. N.
THE THROMBOCYTOGRAM OF WORKERS IN X-RAY ROOMS. [1963] [7p] FASEB Ms no. S535-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13845

Trans. of Vestnik Rentgenologii i Radiologii (USSR) 1963, v. 38, no. 1, p. 55-57.

Presman, A. S.
PROBLEMS OF THE MECHANISM OF THE BIOLOGICAL EFFECT OF MICROWAVES. 2 Jan 64, 25p 68refs JPRS: 22580; N64-12357.
Order from OTS $0.75 TT-64-21190

Trans. of #Uspekhi Sovremennoi Biologii (USSR) 1963, v. 56, no. 2(5) p. 161-179.

Shantyr', V. I., ed.
MEDICAL AND DIAGNOSTIC USE OF RADIOACTIVE ISOTOPES: CONTENTS [AND] SELECTED ARTICLE. 31 Jan 64, 10p JPRS: 23029.
Order from OTS $0.50 TT-64-21458

Trans. of mono. Lechebnoe i Diagnosticheskoe Primenenie Radioaktivnykh Izotopov, Kiev, 1963, p. 5-10, 256-257.

A separate entry has been prepared for the article selected.

Smirnov, R. V.
FREQUENCY OF DEVELOPMENT OF LUNG ADENOMAS IN MICE AS RELATED TO THE DOSE OF EXTERNAL GAMMA-IRRADIATION. 22 Nov 63, 3p 11refs JPRS: 22022.
Order from OTS $0.75 in TT-63-41228 (p. 14-16)

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 150, no. 3, p. 675-676. (Abstract available)
Another trans. is available from AIP $4.00 in Soviet Physics-Doklady, v. 8, no. 5.

Smirnova, O. V.
THE EFFECTS OF PRIOR VACCINATION WITH LIVE ANTIPLAGUE EB VACCINE ON THE RADIORESISTANCE OF ANIMALS. [1963] [13p] 9refs FASEB Ms no.: S362-3.
Order from ORS, SLA, or ETC $1.60 TT-64-13835

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 66-71.

Tsfasman, A. Z.
RADIOACTIVE CHROMIUM IN QUANTITATIVE DETERMINATION OF GASTROINTESTINAL HEMORRHAGES. [1963] [16p] 7refs FASEB manuscript no. S 298-2.
Order from OTS, SLA, or ETC $1.60 TT-64-13527

Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34, no. 8, p. 17-22.

Ul'yanov, N. I. and Skharov, B. V.
CHANGES IN THE LEUKOCYTE REACTION TO PAIN IN INJURIES CAUSED BY RADIATION WITH OR WITHOUT TRAUMA. [1963] [13p] 14refs FASEB Ms no.: S532-3.
Order fromOTS, SLA, or ETC $1.60 TT-64-13868

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 42-47.

Vakhtel', V. S. and Sinenko, L. F.
THE EFFECT OF CYSTAMINE HYDROCHLORIDE ON THE DEVELOPMENT AND COURSE OF RADIATION SICKNESS IN PATIENTS UNDERGOING X-RAY THERAPY AND RADIOTHERAPY. [1963] [16p] 2refs FASEB Ms no.: S527-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13867

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 13-19.

Voznyuk, I. Ya.
THE EFFECTS OF X-IRRADIATION ON THE REPRODUCTIVE FUNCTION IN DOGS AND THEIR FIRST GENERATION PROGENY. [1963] [15p] (figs omitted) 19refs FASEB Ms no. S 628-3.
Order from OTS, SLA, or ETC $1.60 TT-64-13841
figs. available on loan from OTS

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 4, p. 62-68.

Surgery

FEDOR MIKHAILOVICH KHITROV. 21 Jan 64, 2p JPRS: 22842 (p. 3-4)
Order from OTS $1.00 in TT-64-21357 (p. 3-4)

Trans. of Stomatologiya (USSR) 1963, v. 42, no. 4, p. 102.

NATAL'YA ALEKSEEVNA SHENK. 30 Dec 63, 2p JPRS: 22495 (p. 20-21)
Order from OTS $0.75 in TT-64-21150 (p. 20-21)

Trans. of Ortopediya, Travmatologiya i Protezirovanie (USSR) 1963, v. 24, no. 5, p. 94.

NIKOLAI VARDENOVICH ANTELAVA (ON HIS 70TH BIRTHDAY). 30 Dec 63, 4p JPRS: 22495 (p. 2-5)
Order from OTS $0.75 in TT-64-21150 (p. 2-5)

Trans. of Problemy Tuberkuleza (USSR) 1963, v. 41, no. 11, p. 93-94.

PETR ANDREEVICH KUPRIYANOV: OBITUARY. 21 Jan 64, 2p JPRS: 22842 (p. 5-6)
Order from OTS $1.00 in TT-64-21357 (p. 5-6)

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 166.

SIGIZMUND AMBROS (OBITUARY). 30 Dec 63, 1p JPRS: 22495 (p. 1)
Order from OTS $0.75 in TT-64-21150 (p. 1)

Summary trans. of Ortopediya, Travmatologiya i Protezirovanie (USSR) 1963 [v. 24] no. 10, p. 94.

SURGICAL TECHNIQUES, INSTRUMENTS, DRUGS, AND OTHER SURGICAL STUDIES. 6 Feb 64, 46p JPRS: 23122.
Order from OTS $1.25 TT-64-21509

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 37-40, 76-88, 99-103, 123-135, 145-149.

Separate entries have been prepared for the individual articles.

Golovin, G. V. and Romanova, A. M.
THE TAKING AND PRESERVATION OF ENDOCRINE ORGANS. 6 Feb 64, 8p JPRS: 23122 (p. 31-38).
Order from OTS $1.25 in TT-64-21509 (p. 31-38)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 128-135.

Kovalenko, P. P. and Perepechai, L. D.
FREEZE-DRYING AND HOMOGRAFTING OF BONES. 6 Feb 64, 8p 16refs JPRS: 23122 (p. 11-18).
Order from OTS $1.25 in TT-64-21509 (p. 11-18)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 79-86.

Medvedeva, N. N.
OSTEOPLASTY WITH HOMOGRAFTS PRESERVED IN PARAFFIN. 6 Feb 64, 4p 8refs JPRS: 23122 (p. 6-10).
Order from OTS $1.25 in TT-64-21509 (p. 6-10)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 76-79.

Rovinskii, M. S.
SURGICAL TREATMENT FOR TUBERCULOUS TROCHANTERITIS. [1963] [8p] FASEB manuscript no. S 478-3.
Order from OTS, SLA, or ETC $1.10 TT-64-13623

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 26, no. 3, p. 52-55.

Sautin, E. N.
THREE-POINT TEMPERATURE MEASUREMENT DURING THE COURSE OF FREEZING AND FREEZE-DRYING OF TISSUES. 6 Feb 64, 2p JPRS: 23122 (p. 19-20).
Order from OTS $1.25 in TT-64-21509 (p. 19-20)

Trans. of Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 87-88.

Skobelkin, O. K.
REGENERATION OF THE WALL OF THE AORTA FOLLOWING GRAFTING WITH A DIAPHRAGMATRIC PATCH. [1963] [17p] 13refs FASEB manuscript no. S 159-2.
Order from OTS, SLA, or ETC $1.60 TT-64-13506

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 6, p. 97-102.

Strukov, M. V., Godunov, S. F., Pevzner, M. S., Kostyleva, L. A., and Belousov, P. I.
FEDOR ALEKSANDROVICH KOPYLOV (OBITUARY). 30 Dec 63, 2p JPRS: 22495 (p. 10-11)
Order from OTS $0.75 in TT-64-21150 (p. 10-11)

Trans. of Ortopediya, Travmatologiya i Protezirovanie (USSR) 1963 [v. 24] no. 10, p. 93-94.

Vishnevskii, A. A. and Braines, S. N.
PROSPECTS OF THE USE OF OPTICAL QUANTUM OSCILLATORS IN BIOLOGY AND MEDICINE.
30 Jan 64, 6p JPRS: 22994; N64-14149.
Order from OTS $0.50 TT-64-21438

Trans. of Eksperimental'naya Khirurgiya i Anesteziologiya (USSR) 1963 [v. 8] no. 6, p. 3-5.

Zoology

DEVELOPMENTS IN THE FISHERIES OF THE USSR.
30 Jan 64, 24p JPRS: 22982.
Order from OTS $0.75 TT-64-21431

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistvo i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 1(19) p. 13-18; no. 4[22] p. 24-26, 36-38, 46-48.

Separate entries have been prepared for the individual articles.

ROE SIZE-DEPENDENT FISH FERTILITY, FRESH WATER FISH DISTRIBUTION, AND PARASITOFAUNA OF POND-RAISED CARP. 3 Jan 64, 39p 95refs JPRS: 22603.
Order from OTS $1.25 TT-64-21210

Trans. of Voprosy Ikhtiologii (USSR) 1961, v. 1, no. 2(19) p. 209-220, 307-313, 347-353.
Separate entries have been prepared for the individual articles.

STUDIES IN GAS METABOLISM OF COLD-BLOODED ANIMALS AND MIGRATIONS AND RADIOACTIVITY OF CERTAIN MARINE ANIMALS. 18 Feb 64, 54p 51refs JPRS: 23285.
Order from OTS $1.50 TT-64-21592

Trans. of Zoologicheskii Zhurnal (USSR) 1963 [v. 42] no. 11, p. 1593-1612, 1722-1724.

Separate entries have been prepared for the individual articles.

ZOOLOGICAL JOURNAL, 1963, VOL. 42, NO. 10: [SELECTED TRANSLATIONS]. 13 Jan 64, 79p 102refs JPRS: 22702.
Order from OTS $2.25 TT-64-21267

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1433-1471, 1539-1545, 1574-1577, 1584-1589.

Separate entries have been prepared for the individual articles.

Azbelev, V. V.
SPAWNING MIGRATION OF HUMPBACK SALMON IN 1961. 30 Jan 64, 5p JPRS: 22982 (p. 5-9).
Order from OTS $0.75 in TT-64-21431 (p. 5-9)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 1(19) p. 16-18.

Azbelev, V. V., Grinyuk, I. N. and others.
RESULTS OF THE NATURAL SPAWNING OF HUMPBACK SALMON IN THE RIVERS OF THE KOLA PENINSULA IN 1961. 30 Jan 64, 3p JPRS: 22982 (p. 10-12).
Order from OTS $0.75 in TT-64-21431 (p. 10-12)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 4[22] p. 24-25.

Bakshtanskii, E. L.
HUMPBACK SALMON IN A LAKE. 30 Jan 64, 2p JPRS: 22982 (p. 20-21)
Order from OTS $0.75 in TT-64-21431 (p. 20-21)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 4[22] p. 46-47.

Berberovic, Ljubomir.
A CONTRIBUTION TO THE KNOWLEDGE OF THE BIOLOGY OF THE PREDACIOUS SNAIL POIRETIA ALGIRA BRUG. 1963, 4p 6refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 65-68)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 47-49. (Abstract available)

Burukovskii, R. N.
INFECTION OF SOME MOLLUSKS WITH THE NEMERTINE MALACOBDELLA (O. F. MULLER). 13 Jan 64, 3p 2refs JPRS: 22702 (p. 68-70).
Order from OTS $2.25 in TT-64-21267 (p. 68-70)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1576-1577. (Abstract available)

Bychenkova, V. N.
INFLUENCE OF LARVAL NUTRITION OF THE BEHAVIOR OF ADULT INSECTS STUDIED. 16 Dec 63
4p JPRS: 22294.
Order from OTS $0.50 TT-64-21024

Trans. of Akademiya Pedagogicheskikh Nauk RSFSR. Izvestiya, 1957, no. 85, p. 206-203. (Abstract availab

Davidovic, Marko and Brankovic, Milenko.
THE SEASONS AND WINTER SLEEP. 1963, 8p 10refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2(p. 121-128)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 101-107.

Domanevskii, L. N.
GROWTH CHARACTERISTICS OF THE PIKE (ESOX LUCIUS L.). 13 Jan 64, 14p 29refs JPRS: 22702 (p. 51-63).
Order from OTS $2.25 in TT-64-21267 (p. 51-63)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1539-1545. (Abstract available)

Efimov, V. I.
SURVIVAL OF HUMPBACK SALMON DURING EMBRYONIC DEVELOPMENT. 30 Jan 64, 2p JPRS: 22982 (p. 13-14).
Order from OTS $0.75 in TT-64-21431 (p. 13-14)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 4[22] p. 25-26.

Glumac, Slobodan.
THE PROBLEM OF MIMICRY AND THE HOVER FLIES (SYRPHOIDEA, DIPTERA). 1963, 9p 5refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 77-84)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 61-66.

Il'ichev, V. D.
STUDY OF THE FINE STRUCTURE OF THE FEATHER WITH AN FMN-2 APPARATUS. 13 Jan 64, 2p JPRS: 22702 (p. 71-71a).
Order from OTS $2.25 in TT-64-21267 (p. 71-71a)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1584-1585. (Abstract available)

Ivasik, V. M.
EFFECT OF VARIOUS POND-RAISING CONDITIONS OF THIS YEAR'S BROOD OF CARP ON THEIR PARASITOFAUNA. 3 Jan 64, 10p 9refs JPRS: 22603 (p. 30-39).
Order from OTS $1.25 in TT-64-21210 (p. 30-39)

Trans. of Voprosy Ikhtiologii (USSR) 1961, v. 1, no. 2(19) p. 347-353.

Ivlev, V. S.
ENERGY EXPENDITURE IN LOCOMOTION OF SHRIMPS. 13 Jan 64, 11p 14refs JPRS: 22702 (p. 40-50)
Order from OTS $2.25 in TT-64-21267 (p. 40-50).

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1465-1471. (Abstract available)

Kashintsev, M. L.
SOME NOTES ON ROSEFISH FEEDING IN THE NEWFOUNDLAND AREA. 1963, 10p 1ref PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 256-265)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Kas'yanenko, V. G.
YURII ALEKSANDROVICH ORLOV. 21 Jan 64, 6p 15refs JPRS: 22842 (p. 15-20)
Order from OTS $1.00 in TT-64-21357 (p. 15-20)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1963, v. 45, no. 11, p. 126-128.

Klyuchareva, O. A.
DOWNSTREAM DESCENT AND DIURNAL VERTICAL MIGRATIONS OF BENTHIC INVERTEBRATES IN THE AMUR. 18 Feb 64, 29p 36refs JPRS: 23285 (p. 21-49).
Order from OTS $1.50 in TT-64-21592 (p. 21-49)

Trans. of Zoologicheskii Zhurnal (USSR) 1963 [v. 42] no. 11, p. 1601-1612.

Kuznetsov, V. V. and Aleksandrova, E. N.
ADAPTATION OF YOUNG COREGONINES OF THE LENA RIVER. 20 Feb 64, 5p JPRS: 23331 (p. 21-25).
Order from OTS $0.75 in TT-64-21615 (p. 21-25)

Trans. of Priroda (USSR) 1963 [v. 52] no. 11, p. 106-108.

Livshits, M. G.
REASONS FOR THE MASS DEATHS OF SALMON IN THE VARZUGA RIVER. 30 Jan 64, 3p JPRS: 22982 (p. 22-24).
Order from OTS $0.75 in TT-64-21431 (p. 22-24)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 4[22] p. 47-48. (Abstract available)

Malakhova, R. P.
SEASONAL VARIATION OF BUNODERA LUCIOPERCAE (O. F. MULLER 1776) AND SPHAEROSTOMA BRAMAE (O. F. MULLER 1776) (TREMATODES) UNDER THE CONDITIONS OF KARELIA. 13 Jan 64, 11p 10refs JPRS: 22702 (p. 25-35)
Order from OTS $2.25 in TT-64-21267 (p. 25-35)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1453-1461. (Abstract available)

Mankevich, E. M.
BIOLOGICAL PECULIARITIES OF COD WITH DIFFERENT OTOLITH STRUCTURE IN THE NORTHWEST ATLANTIC. 1963, 14p 50refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 324-337)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Mankevich, E. M. and Prokhorov, V. S.
SIZE-AGE COMPOSITION AND SPAWNING OF THE COD ON THE SOUTHWESTERN SLOPE OF THE FLEMISH CAP BANK. 1963, 6p 2refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 349-354)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Marakov, S. M.
RELIC OF NATURE OF EXPLOITABLE SPECIES? 20 Feb 64, 10p JPRS: 23331 (p. 11-20).
Order from OTS $0.75 in TT-64-21615 (p. 11-20)

Trans. of Priroda (USSR) 1963 [v. 52] no. 11, p. 79-83.

Marti, Yu. Yu., ed.
SOVIET FISHERIES INVESTIGATIONS IN THE NORTHWEST ATLANTIC
B. Hershkovitz, tr. 1963, 370p 500refs PL-480 Int.
Order from OTS $3.75 TT-63-11102

Trans. of mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Separate entries have been prepared for the individual articles.

Nikolskii, G. V.
CERTAIN OF THE LAWS GOVERNING THE EFFECT OF FISHING OPERATIONS ON THE STRUCTURE OF POPULATIONS AND THE INDIVIDUAL CHARACTERISTICS OF FISH BELONGING TO COMMERCIALLY EXPLOITED STOCKS. Proceedings of the Conference on the Dynamics of Fish Population, 1960. 1962 [22p] 33refs [DSIR] NLL M. 10032.
Order from OTS, SLA, or ETC $2.60 TT-63-23342

Trans. of [Akademiya Nauk SSSR]. Ikht[iologicheskaya] Kom[issiya]. Trudy Soveshchanii, 1961, v. 13, p. 21-33.

Novikova, V. N. and Purtova, I. V.
EXPERIMENTAL LEPTOSPIROSIS OF SOME WILD RODENTS. 13 Jan 64, 3p JPRS: 22702 (p. 72-74)
Order from OTS $2.25 in TT-64-21267 (p. 72-74)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1585-1586. (Abstract available)

Pljakic, Milika A.
A CONTRIBUTION TO THE KNOWLEDGE OF THE STRUCTURE OF MIXED POPULATIONS OF THE AMPHIPODS GAMMARUS (R.) BALCANICUS AND GAMMARUS (R.) PULEX FOSSARUM. Paper presented at the Congress of Yugoslav Biologists (no. 2) Belgrade, 7-10 Feb 62. 1963, 8p 5refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 69-76)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 51-57.

Popova, O. A.
SOME DATA ON THE FEEDING OF COD IN THE NEWFOUNDLAND AREA OF THE NORTHWEST ATLANTIC. 1963, 21p 14refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 228-248)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Postolakii, A. I.
BIOLOGY OF THE LABRADOR AND NEWFOUNDLAND COD. 1963, 11p 14refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 338-348)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovania v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Radoman, Pavle.
SOME NEW HYDROBIIDAE OF LAKE OHRID (OHRIDSKO JEZERO) PT. 2. 1963, 28p 13refs PL-480 HEW.
Order from OTS $1.50 in TT-62-11759/1-2 (p. 85-112)

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1962, v. 14, no. 1/2, p. 69-92. (Abstract available)

Shaposhnikov, L. V.
THE TAXONOMIC POSITION AND EVOLUTIONARY SIGNIFICANCE OF FORMS CREATED IN THE ACCLIMATIZATION OF ANIMALS. 13 Jan 64, 8p 18refs JPRS: 22702 (p. 17-24)
Order from OTS $2.25 in TT-64-21267 (p. 17-24)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1446-1452. (Abstract available)

Shchepot'ev, N. V., reviewer.
ANIMAL KINGDOM OF VOLGOGRADSKAYA OBLAST: BOOK REVIEW. 13 Jan 64, 5p JPRS: 22702 (p. 75-79).
Order from OTS $2.25 in TT-64-21267 (p. 75-79)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1587-1589 (review of mono. Zhivotnyi Mir Volgogradskoi Oblasta, by B. S. Kubantsev, V. Ya. Uvarova, and N. A. Kosareva, Volgograd. 1962).

Shkorbatov, G. L.
THE STABILITY OF ECOLOGICAL-PHYSIOLOGICAL ADAPTATIONS IN SOME FRESHWATER MOLLUSKS. 13 Jan 64, 4p 3refs JPRS: 22702 (p. 36-39).
Order from OTS $2.25 in TT-64-21267 (p. 36-39)

Trans. of Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1462-1464. (Abstract available)

Sidorenko, I. N.
FEEDING OF COD IN WESTERN GREENLAND WATERS. 1963, 7p 14refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 249-255)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Surkova, E. I.
SIZE AND AGE COMPOSITION OF SEBASTES MENTELLA TR. IN THE NORTHWEST ATLANTIC. 1963. 15p 24refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 290-304)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Surkova, E. I.
STRUCTURAL CHARACTERISTICS OF SCALES IN SEBASTES MENTELLA TRAVIN OF THE NORTHWEST ATLANTIC. 1963, 6p 8refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 305-310)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Travin, V. I. and Pechenik, L. N.
SOVIET FISHERY INVESTIGATIONS AND FISHING IN THE NORTHWEST ATLANTIC. 1963, 51p 19refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 4-54)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo, Okeana, Moscow, 1962 [379p].

Vinberg, G. G. and Belyatskaya-Potaenko, Yu. S.
DIURNAL COURSE OF THE INTENSITY OF GAS METABOLISM IN COLD-BLOODED ANIMALS. 18 Feb 64, 19p 10refs JPRS: 23285 (p. 2-20).
Order from OTS $1.50 in TT-64-21592 (p. 2-20)

Trans. of Zoologicheskii Zhurnal (USSR) 1963 [v. 42] no. 11, p. 1593-1600.

Yanulov, K. P.
AGE AND GROWTH OF THE AMERICAN PLAICE IN THE NORTHWEST ATLANTIC. 1963, 6p 8refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 355-360)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p]

Yanulov, K. P.
PARASITES AS INDICATORS OF LOCAL ROSEFISH STOCKS. 1963, 11p 15refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 266-276)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Yanulov, K. P.
ON THE GROUPS OF ROSEFISH (SEBASTES MENTELLA TRAVIN) IN THE LABRADOR-NEWFOUNDLAND AREA. 1963, 13p 18refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 277-289)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Yudanov, I. G.
HERRINGS OF THE NORTHWESTERN PART OF THE ATLANTIC OCEAN. 1963, 10p 52refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 361-370)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Yudanov, I. G.
OUTLOOK FOR SOVIET HERRING FISHING IN THE NORTH ATLANTIC. 30 Jan 64, 4p JPRS: 22982 (p. 1-4).
Order from OTS $0.75 in TT-64-21431 (p. 1-4)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 1(19) p. 13-15.

Zakharov, G. P.
BIOLOGY OF THE WEST GREENLAND SEBASTES MARINUS. 1963, 13p 21refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 311-323)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Zotin, A. I.
RELATIVE FERTILITY OF FISH AND ROE SIZE. 3 Jan 64, 12p 53refs JPRS: 22603 (p. 18-29).
Order from OTS $1.25 in TT-64-21210 (p. 18-29)

Trans. of Voprosy Ikhtiologii (USSR) 1961, v. 1, no. 2(19) p. 307-313.

CHEMISTRY

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 19. 18 Feb 64, 13p JPRS: 23269.
Order from OTS $0.50 TT-64-21582

Trans. of selected abstracts from Referativnyi Zhurnal. Khim[iya] (USSR) 1963, no. 18.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 11. 20 Feb 64, 15p JPRS: 23335.
Order from OTS $0.50 TT-64-21618

Consists of abstracts of articles from the scientific and technical journals of East Germany and Hungary.

PROCESS FOR THE PREVENTION OF LIME SOAP FORMATION IN PROCESSING BATHS WHICH CONTAIN SOAPS ON TURKEY RED OILS. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-14103

Trans. of German patent 619, 386 [1932].

Ernst, Otto and Nicodemus, Otto.
PROCESS FOR THE PREPARATION OF ALKALI COMPOUNDS OF ACETYLENE. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-14368

Trans. of German patent 494 575, appl. pub. 6 Mar 30, issued 21 Nov 26, assigned to I. G. Farbenindustrie Akt-Ges.

Krylova, I.V., Danchevskaya, M.N. and Kobozev, N.I.
LUMINESCENCE ET CATALYSE. I. NATURE DES CENTRES ACTIFS DES CATALYSATEURS CRISTALLOPHOSPHORESCENTS (Lyuminestsentsiya i Kataliz. I. Priroda Aktivnykh Tsentov Katalizatorov-Kristallofosforov) (Luminescence and Catalysis. I. The Nature of Activity Centres of Catalyst Phosphors). 27p. (foreign text included) 15refs. CNRS-XVIII 92.
Order from OTS, ETC or CNRS $1.00 TT-62-28602

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1955, v.29, no.9, p.1684-1695.

Neusel, K.
PROCESS FOR THE SULFONATION OF FATS, OILS OR THEIR FATTY ACIDS. [1963] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-14088

Trans. of German patent 608, 692 [1929].

Analytical Chemistry

Bellen, Z. and Sekowska, B.
DÉTERMINATION DE L'ALDEHYDE EN PRÉSENCE D'UROTROPINE (Determination of Formaldehyde in the Presence of Urotropine). 7p. 4refs. CNRS-VIII bis 644.
Order from OTS, ETC or CNRS $1.10 TT-62-26554

Trans. in French of Chemia Analityczna (Poland) 1959, v.4, no.1, p.25-28.

Emelin, E. A. and Tsarfin, Ya. A.
DETERMINATION OF PRIMARY AND SECONDARY AMINO GROUPS IN POLYNUCLEAR POLYAMINES. [1963] 6p 6refs [BNSL] T. 1508 [DSIR NLL M. 10077.
Order from OTS, SLA or ETC $1.10 TT-63-23355

Trans. of #Zhurnal Analiticheskoi Khimii (USSR) 1962, v. 17, no. 6, p. 759-762. (Abstract available)

Kappelmeier, C. P. A. and Mostert, J.
ON THE DETERMINATION OF THE HYDROXYL NUMBER. [1963] 3p 3refs
Order from SLA $1.10 TT-64-10199

Trans. of Verfkroniek (Netherlands) 1958, v. 31, no. 2, p. 61.

Khlopin, N.Ya., Rafalovich, N.A. and Aksenova, G.P.
DOSAGE POLAROGRAPHIQUE DES PETITES QUANTITÉS D'ARSÉNIC (Polyarograficheskoe Opredelenie Malykh Kolichestv Mysh'yaka) (Polarographic Determination of Small Quantities of Arsenic). 14p. (foreign text included) 16 refs. CNRS-VII 22.
Order from OTS, ETC or CNRS $1.60 TT-62-28744

Trans. in French of Zhurnal Analiticheskoi Khimii (USSR) 1948, v.3, no.1, p.16-20.

Korshun, M.O., Gel'man, N.E. and Glazova, K.I.
DOSAGE MICROSCOPIQUE SIMULTANÉ DU FLUOR, DU CARBONE ET DE L'HYDROGÈNE DANS LES COMPOSÉS ORGANIQUES ÉLÉMENTAIRES (Odnovremennoe Mikroopredelenie Ftora, Ugleroda i Vodsroda v Elementoorganicheskikh Soedineniyakh) (A Simultaneous Microdetermination of Fluorine, Carbon and Hydrogen in Elementorganic Compounds). 8p. (foreign text included) 4refs. CNRS-VIII bis 398.
Order from OTS, ETC or CNRS $1.10 TT-62-28172

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v.111, no.6, p.1255-1256.

Mikhkel'son, V.Ya.
MÉTHODE CRYOSCOPIQUE DE MESURE DES POIDS MOLÉCULAIRES AVEC UTILISATION DE THERMOMÈTRES À RÉSISTANCE (Krioskopicheskii Metod Opredeleniya Molekuly Arnykh Vesov s Primeneniem Termometrov Soprotivleniya) (Cryoscopic Method for Determining Molecular Weights with Resistance Thermometers). 22p. (foreign text included) 7refs.
CNRS-VIII bis 207.
Order from OTS, ETC or CNRS $0.85 TT-62-28270

Trans. in French of #Zhurnal Analiticheskoi Khimii (USSR) 1954, v.9, no.1, p.22-28.

Perepletchikova, E. M. and Zil'berman, E. N.
THE ANALYTICAL CHEMISTRY OF ε-CAPROLACTAM (A SURVEY). [1963] 8p 58refs [BNSL] T. 1512 [DSIR] NLL M. 10381.
Order from OTS, SLA, or ETC $1.10 TT-63-23516

Trans. of #Zavodskaya Laboratoriya (USSR) 1962, v. 28, no. 10, p. 1172-1177.

Prior Ferraz, F. G. and Almeida Relvas, M. E.
CONTRIBUTION TO THE STUDY OF ORGANIC ACIDS IN BIOLOGICAL MEDIA. I. DIFFERENTIALS AS A FUNCTION OF THEIR CONCENTRATIONS. [1963] 6p (figs tables refs omitted)
Order from SLA $1.10 TT-64-10426

Trans. of Journal of Chromatography (Netherlands) 1961, v. 6, p. 505-513.

Scholz, E. and Hagedorn, P.
INVESTIGATION OF MEDICAL MIXTURES BY PAPER ELECTROPHORESIS (Untersuchung von Arzneimittelgemischen mittels Papierelektrophorese). [1963] [9p] 19refs
Order from SLA $1.10 TT-64-10307

Trans. of Deutsche Apotheker-Zeitung (West Germany) 1953 [v. 93] no. 5, p. 81-82.

Teodorovich, I.L.
BOND INTERMÉDIAIRE DU POTENTIEL LORS DU TITRAGE POTENTIOMÉTRIQUE DES SOLUTIONS DES SELS D'ALUMINIUM PAR UNE SOLUTION DU FLUORURE DE SODIUM (O Promezhutochnom Skachke Potentsiala pri Potentsiometricheskom Titrovanii Rastvorov Alyuminievykh Solei Rastvorom Ftorida Natriya) (Intermediate Jump of Potential in Potentiometric Titration of Aluminum Salt Solutions with Sodium Fluoride Solution). 15p. (foreign text included) 8refs.
CNRS-VIII bis 135.
Order from OTS, ETC or CNRS $1.60 TT-62-28264

Trans. in French of #Zhurnal Analiticheskoi Khimii (USSR) 1952, v.7, no.3, p.175-179.

Zan'ko, A.M. and Manusova, F.A.
ESSAI D'EMPLOI, EN POLAROGRAPHIE, DE SOLUTIONS NON-AQUEUSES (Opyt Primeneniya Nevodnykh Rastvorov v Polyarografii) (Experiment of Application of Nonaqueous Solutions in Polarography). 16p. (foreign text included) 10refs. CNRS-VIII bis 265.
Order from OTS, ETC or CNRS $0.80 TT-62-28267

Trans. in French of Zhurnal Obshchei Khimii (USSR) 1940, v.10, no.13, p.1171-1176.

Translation in English available from OTS, SLA or ETC $1.60 in 61-20339.

Inorganic Chemistry

ONDE CATALYTIQUE DES IONS URANYLE EN PRÉSENCE D'IONS NITREUX OU VANADIQUES (Catalytic Wave of Uranyl Ions in the Presence of Nitrous or Vanadic Ions). 18p. 11refs. CNRS-VIII bis 667.
Order from OTS, ETC or CNRS $1.60 TT-62-26566

Trans. in French of Unidentified Japanese Language article, 1960.

Davtyan, O.K. and Ovchinnikova, E.N.
HÉMISORPTION ET OXYDATION DE L'ANHYDRIDE SULFUREUX SUR DES CATALYSEURS SOLIDES Á LA TEMPÉRATURE NORMALE (O Khemisorbtsii i Okislenii Sernistogo Angidrida na Tverdykh Katalizatorakh pri Normal'noi Temperature) (Chemisorption and the Oxidation of Sulfur Dioxide on Solid Catalysts at Room Temperatures). 13p. (foreign text included)
CNRS-VIII bis 399.
Order from OTS, ETC or CNRS $1.60 TT-62-28183

Trans. in French of Akademiya Nauk SSSR. Doklady, 1955, v.104, no.6, p.857-860.
Other translations are available in English from SLA as R-3813 and from ATS as RJ518.

Ketov, A.N. and Pechkovskii, V.V.
RÉACTION DE L'ANHYDRIDE SULFUREUX AVEC L'OXYDE ET LE CARBONATE DE CALCIUM (O Vzaimodeistvii Sernistogo Angidrida s Okis'yu i Karbonatom Kal'tsiya) (Interaction of Sulfur Dioxide with Calcium Oxide and Carbonate). 15p. (foreign text included) 8refs. CNRS-VII 70.
Order from OTS, ETC or CNRS $1.60 TT-62-28773

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1958, v.31, no.12, p.1783-1786.

Margolis, F.G., Lunskaya, Z.N. and Vol'fkovich, S.I.
RÉACTION DU CHLORURE DE POTASSIUM AVEC UN MÉLANGE D'ANHYDRIDE SULFUREUX D'AIR ET DE VAPEUR D'EAU (Vzaimodeistvie Khloristogo Kaliya so Smes'yu Sernistogo Gaza, Vozdukha i Vodyanogo Para) (The Reaction of Potassium Chloride With a Mixture of Sulfur Dioxide Water and Steam). 18p. (foreign text included) 2refs. CNRS-VIII bis 338.
Order from OTS, ETC or CNRS $1.60 TT-62-28169

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1955, v.28, no.5, p.453-458.

Morozov, I.S. and Kuznetsov, V.G.
AU SUJET DE LA MODIFICATION γ DU BIOXIDE DE MANGANÈSE (O γ -Modifikatsii Dvuokisi Margantsa) (The γ Modification of Manganese Dioxide). 31p. (foreign text included) 10refs. CNRS-VIII bis 75.
Order from OTS, ETC or CNRS $3.60 TT-62-28756

Trans. in French of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1949, no.1, p. 343-353.

Pawlek, Franz and Discher, Edmund.
PROCESS FOR THE REGENERATION OF SULFURIC ACID PICKLING LIQUORS. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-14352

Trans. of German patent 1,102,519, appl. 6 Jun 56, pub. 16 Mar 61.

Pozin, M.E., Ginstling, A.M. and Pechkovskii, V.V
ÉTUDE DE LA RÉACTION D'OXYDATION DES SULFURES ET MINÉRAIS SULFURES (K Izucheniyu Protsessa Okisleniya Sul'fidov i Sul'fidnykh rud) (Study of the Oxidation of Sulfides and Sulfide Ores). 16p. (foreign text included) 3 refs. CNRS-VII 42.
Order from OTS, ETC or CNRS $1.60 TT-62-28742

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1955, v.28, no.12, p.1249-1254.

Pozin, M.E. and Vosol'sobe, Ya.Ya.
L'OXYDATION DU SOUFRE PAR L'ACIDE SULFURIQUE NITREUX (Okislenie Sery Nitrozoi) (Oxidation of Sulfur by Nitrose). 22p. (foreign text included) 2refs. CNRS-VIII bis 261.
Order from OTS, ETC or CNRS $0.86 TT-62-28265

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1955, v.28, no.3, p.229-236.

Quartaroli, Alfredo.
RESEARCH ABOUT THE ACTION OF AMMONIA IN BORIC ACID ALONE OR IN PRESENCE OF POLY-HYDROXY SUBSTANCES. [1963] 4p
Order from SLA $1.10 TT-64-10397

Trans. of Annali di Chimica (Italy) 1946, v. 36, p. 273. (Abstract available)

Sevryukov, N.N. and Sergievskaya, E.M.
THÉORIE DE LA RÉDUCTION DU SULFATE DE SODIUM PAR LE CARBONE (Theory of the Reduction of Sodium Sulfate with Carbon). 16p. (foreign illegible text included) 15refs. CNRS-VI 714.
Order from OTS, ETC or CNRS $1.60 TT-62-28720

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.1, p.54-59.

Tolstopyatova, A.A. and Balandin, A.A.
PROPRIÉTÉS CATALYTIQUES DES TERRES RARES (O Zakonomernostyakh v Kataliticheskikh Svoistvakh Redkikh Zemel')(Catalytic Properties of Rare Earths). 12p. (foreign text included) 17refs. CNRS-VI 684.
Order from OTS, ETC or CNRS $1.60 TT-62-28752

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.138, no.6, p.1365-1368.

Organic Chemistry

PROCESS FOR THE PREPARATION OF AMINO-ACETIC ACID OR ITS ESTERS BY REDUCTION OF CYANOFORMIC ESTER. [1963] 1p
Order from OTS, SLA, or ETC $1.10 TT-64-10643

Trans. of German patent 594,219, n.d.

PROCESS OF PREPARING CYCLOALIPHATIC OXIMES F. H. B., tr. 31 Oct 63, 7p
Order from OTS, SLA, or ETC $1.10 TT-63-24404

Trans. of Belgian patent no. 555380, internat. cl. C07/c, by Société Stamicarbon Naamloze Venootschap, Heerlen (Netherlands) appl. 28 Feb 57, granted 15 Mar 57, printed and pub. 12 Feb 60 (Priority claimed: Netherlands, 29 Feb 56).

THE PRODUCTION OF ETHERS FROM HYDROXYL CONTAINING ORGANIC COMPOUNDS AND ETHYLENE OXIDE. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-10648

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 249 (German patent 605,973 (1930)).

Andreev, K.K. and Samsonov, B.S.
AU SUJET DE LA DÉCOMPOSITION THERMIQUE DE LA NITROCELLULOSE DANS LE VIDE (O Termicheskom Raspade Nitrokletchatki v Vakuume) (Thermal Decomposition of Nitrocellulose in Vacuo). 14p. (foreign text included) 6refs. CNRS-VIII bis 411.
Order from OTS, ETC or CNRS $1.60 TT-62-28166

Trans. in French of Akademiya Nauk SSSR. Doklady, 1957, v.114, no.4, p.815-818.

Bertsch, Heinrich.
PROCESS FOR THE PRODUCTION OF ESTERS.
[1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-10641

Trans. of German patent 592,053, n. d.

Dalmer, Otto, Diehl, Claus and others.
PROCESS FOR THE PREPARATION OF ALIPHATIC PRIMARY AMINO ACIDS OR THEIR DERIVATIVES.
[1963] [7p]
Order from OTS, SLA, or ETC $1.10 TT-64-10646

Trans. of German patent 597,305, 22 May 34.

Gelbke, Milan.
PROCESS FOR OBTAINING PRODUCTS OF HIGH EMULSIFYING ACTION FROM THE ALKALINE DISCARDINGS OF MINERAL OIL RAFFINATES WHICH CONTAIN A MINIMUM AMOUNT OF WATER.
[1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-10644

Trans. of German patent 595,604, n. d.

Gyunner, E.A.
COMPOSÉS MOLÉCULAIRES DE L'HEXAMÉTHYLÈNE-TÉTRAMINE AVEC QUELQUES ACIDES ORGANIQUES EN SOLUTIONS AQUEUSES (Molekulyarnye Soedineniya Urotropina s Nekotorymi Organicheskimi Kislotami v Vodnykh Rastvorakh) (Molecular compounds of Urotropine with some Organic Acids in Aqueous Solutions). 16p. (foreign text included) 7refs CNRS-VIII 114.
Order from OTS, ETC or CNRS $1.60 TT-62-28784

Trans. in French of *Zhurnal Obshchei Khimii (USSR) 1961, v.31, no.2, p.354-358.

Hruby, M.
TRANSFERT DE CHALEUR DES RÉACTEURS TUBULAIRES LORS DES POLYMÉRISATIONS EN ÉMULSIONS (Odvod Tepla u Trubkovych Reaktoru pri Emulsnich Polymeracich) (Heat Dissipation in Tubular Reactors for Emulsion Polymerizations). 26p. (foreign text included) 12refs. CNRS-VII 72.
Order from OTS, ETC or CNRS $2.60 TT-62-28775

Trans. in French of Chemicky Prumysl (Czechoslovakia) 1957, v.7(32), no.6, p. 321-326.

Kalischer, George and Biehler, Ferdinand.
THE PRODUCTION OF ACID AND LIME STABLE DERIVATIVES OF UNSATURATED FATTY ACIDS, THEIR ANHYDRIDES OR ESTERS. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10551

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 189 (German patent 606,776 (1927)).

Kargin, V. A., Kabanov, V. A., Zubov, V. P., and Zezin, A. B.
POLYMERISATION OF ACETONITRILE AND OTHER NITRILES. [1963] 5p 5refs [BNSL] T.1377 [DSIR] NLL M.10073.
Order from OTS, SLA, or ETC $1.10 TT-63-23354

Trans. of Akademiya Nauk SSSR. Doklady, 1961, v. 139, no. 3, p. 605-607.
Another trans. is available from ATS $6.60 as ATS-25N55R [1961] 4p.

Kern, Werner and Brenneisen, Erich.
HETEROPOLAR COLLOIDAL MOLECULES. III. POLYMERIC AMINES AS MODELS FOR PROTEINS.
[Aug 63] [25p] 65refs
Order from SLA $2.60 TT-64-10515

Trans. of J[ournal für] Prakt[ische] Chem[ie] (Germany) 1941, v. 159, no. 8/10, p. 194-217.

Khromov-Borisov, N.V. and Kozhevnikov, S.P.
SYNTHÈSE DES RÉSINES ÉCHANGEUSES D'IONS ASYMÉTRIQUES À PARTIR DE LA L-TYROSINE (Sintez Asimmetrichnykh Ionoobmennykh Smol na Baze L-Tyrozina) (The Synthesis of Asymetric Ion Exchange Resins Based on L-Tyrosine). 14p. (foreign text included) 13refs. CNRS-VIII 130.
Order from OTS, ETC or CNRS $0.80 TT-62-28800

Trans. in French of #Zhurnal Obshchei Khimii (USSR) 1961, v.31, no.9, p.2926-2930.

Knoevenagel, Kurt.
PROCESS FOR THE CONTINUOUS PRODUCTION OF PURE GAMMA-HEXACHLOROCYCLOHEXANE. [1963] 12p (figs omitted) 1ref
Order from OTS, SLA, or ETC $1.60 TT-64-14376

Trans. of German patent application S 36 512, 12 o. 25, order no. 4397/54, appl. 27 Nov 53, by C. F. Spiese & Son, announced 30 Sep 54, pub. 30 Sep 54, objection until 30 Jan 55. (Abstract available)

Kut'in, A.M., Farberov, M.I. and others.
SYNTHÈSE DE L'ISOPRÈNE ET DU PIPERYLÈNE A PARTIR DES N-BUTYLÈNES DE LA FORMALDEHYDE (Sintez Izoprena i Piperilena na Osnove N-Butilenov i Formal'degida) (Synthesis of Isoprene and of Piperylene on Basis of N-Butylenes and of Formaldehyde). 21p. (foreign text included) 9 refs. CNRS-VIII 87.
Order from OTS, ETC or CNRS $2.60 TT-62-28778

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.12, p.2782-2787.
Trans. in English is available from LC or SLA mi$1.80, ph$1.80 as 60-18066, 1960, 9p.

Legotski, M., Markovich, M. and others.
SYNTHÈSE ET POLYMÉRISATION DU 3.3´-bis (CHLOROMÉTHYL) OXA-CYCLOBUTANE (Sintez i Polimerizatsiya 3.3´-bis (Khlorometil) Oksatsiklobutana) (Synthesis and Polymerization of 3.3´-bis (Chloromethyl) Oxacyclobutane). 14p. (foreign text included) 8refs. CNRS-VIII 111.
Order from OTS, ETC or CNRS $1.60 TT-62-28782

Trans. in French of *Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.3, p.640-643.

Lehmann, Rudolf, Heckmanns, Franz, Dobmaier, Karl, and Willens, Jakob.
A DISINFECTANT. [1963] 1p
Order from OTS, SLA or ETC $1.10 TT-64-10656

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 230 (German patent 609,164 (1929)).

Linden, K. and Russe, A.
PRODUCTION OF HIGH MOLECULAR SULFONIC ACIDS OR THEIR SALTS. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10652

Trans. from [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] (German patent 607,018 (1927)).

Lindner, Kurt.
THE PRODUCTION OF THE CONDENSATION SULFONATION PRODUCTS OF WAXES, WAX AND FATTY ALCOHOLS. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-10659

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 229 (German patent 609,456 (1929)).

Moiseev, I. I. and Vargaftik, M. N.
A METHOD FOR THE PREPARATION OF -AL-KENYL ESTERS. [1964] 2p
Order from ATS $3.75 ATS-38Q73R

Trans. of Soviet patent 137,511, filed 19 Apr 60, under no. 663,724/23.

Munz, Ferdinand.
PROCESS FOR THE PRODUCTION OF ACID AND LIME-STABLE DERIVATIVES OF UNSATURATED FATTY ACIDS OR THEIR ESTERS. [1963] [2p]
Order from OTS, SLA, or ETC $1.10 TT-64-10640

Trans. of German patent 591,196, n.d.

Nametkin, S. S. and Chochryakova, V. A.
KONOVALOV'S HYDROXYFENCHONE. [1963] [4p]
Order from OTS, SLA, or ETC $1.10 TT-63-20811

Trans. of [Russkoe Fiziko-Khimicheskoe Obshchestov. Zhurnal] 1915, v. 47, p. 1611-1615.

Nazarov, I.N., Klabunovski, E.I. and Kravchenko, N.A.
SUR LA SYNTHÈSE CATALYTIQUE DE L'ISOPRENE À PARTIR DES HYDROCARBURES GAZEUX (Catalytic Synthesis of Isoprene Based on Hydrocarbon Gases). 13p. 15refs. CNRS-VIII bis 601.
Order from OTS, ETC or CNRS $1.60 TT-62-26529

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1959, no.12, p.2171-2176.
Another trans. is available in English from OTS or SLA $1.10 as TT-63-14089, 21 Jun 60, 9p.

Nicodemus, Otto.
METHODS FOR THE PREPARATION OF HOMOLOGS OF ACETYLENE. [1963] 2p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14394

Trans. of German patent 562,010, pub. 20 Feb 31, by I. G. Farbenindustrie Akt.-Ges.

Oeman, Erik and Lodin, Sven Harald.
THE PRODUCTION OF FATTY AND ROSIN ACIDS BY DISTILLATION OF TALLOL. [1963] 3p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-10662

Trans. of [Seifen-Ole-Fette-Wachse] (Germany) 1935 [v. 62] p. 218 (German patent 609,697 (Priority: Sweden, 1930)).

Schrader, Gerhard.
METHOD FOR PRODUCTION OF PHENYL THIONO-PHOSPHONIC ACID ESTERS, tr. by J. R-P. 1 Apr 63, 6p
Order from OTS, SLA, or ETC $1.10 TT-63-19274

Trans. of German Auslegeschrift (DAS) 1,050,768, cl. 120, 26/01, internat. cl. C/07f, by Farbenfabriken Bayer AG, appl filed 28 Sep 57, announcement and laying open to public inspection 19 Feb 59. (Abstract available)

Timofeeva, E.A., Smirnov, V.S. and Bogomolov, V.I.
DÉSHYDROGÉNATION DU N. OCTANE ET DES FRACTIONS 250-320° DE SYNTHOL EN PRÉSENCE DE CHARBON DE BOIS ACTIVÉ (Degidrirovanie N-oktana i Fraktsii Sintina 250-320 v Prisutstvii Aktivirovannogo Drevesnogo Uglya) (Dehydrogenation of N-octane and of the Synthine Fraction 250-320°C in the Presence of Activated Charcoal). 16p. (foreign text included) 15 refs. CNRS-VI 687.
Order from OTS, ETC or CNRS $1.60 TT-62-28718

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1961, no.7, p.1320-1325.
Trans. in English is available from OTS, ETC or SLA $1.10 as 62-16559, 1962, 8p.

Zinov'ev, Yu.M., Muler, L.I. and Soborovskii, L.Z.
SYNTHÈSE DES COMPOSÉS PHOSPHORO-ORGANIQUES À PARTIR DES HYDROCARBURES ET DE LEURS DÉRIVES. III. (Sintez Fosfororganicheskikh Soedinenii Iz Uglevodorodov i Ikh Proizvodnykh. III. (Synthesis of Organophosphorus Compounds from Hydrocarbons and Their Derivatives. III.). 20p. (foreign text included) 9refs. CNRS-VIII bis 533.
Order from OTS, ETC or CNRS $1.60 TT-62-28164

Trans. in French of *Zhurnal Obshchei Khimii (USSR) 1954, v.24, no.2, p.380-385.

Physical Chemistry

Akimov, V.M., Litvin, E.F. and others.
TRANSFORMATIONS DE PHASES AU COURS DE LA PRÉPARATION DE CATALYSEURS À BASE DE Ni-MgO PAR DÉCOMPOSITION D'OXALATES DANS UN COURANT D'HYDROGÈNE (O Fazovykh Prevrashcheniyakh pri Poluchenii Ni-MgO-Katalizatorov Razlozheniem Oksalatov v Toke Vodoroda) (Phase Transformation in the Preparation of Ni-MgO Catalysts by the Decomposition of Oxalates in a Current of Hydrogen). 9p. (foreign text included) 4refs. CNRS-VII 98.
Order from OTS, ETC or CNRS $1.10 TT-62-28763

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1961, no.10, p.1892-1894.

Andreev, K.K., Glazkova, A.P. and others.
DÉCOMPOSITION THERMIQUE DES NITRO-ÉTHERS. I. ÉTUDE DE LA CINÉTIQUE DE LA DÉCOMPOSITION DE LA NITROGLYCÉRINE ET DE NITROGLYCOL À L'AIDE DE LA MÉTHODE MANOMÉTRIQUE (The Thermal Decomposition of Nitro Esters. I. The Manometric Method of Studying Nitroglycerin and Nitroglycol Decomposition Kinetics). 20p. 12refs
CNRS-VIII bis 495.
Order from OTS, ETC or CNRS $1.60 TT-62-26532

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1958, v.32, no.8, p.1726-1737.

Arndt, Kurt, and Loewenstein, Willi.
SOLUTIONS OF LIME AND SILICA IN FUSED CALCIUM CHLORIDE. [1963] 19p (figs omitted) 14refs
Order from SLA $1.60 TT-64-10447

Trans. of z[eitschrift] für Elektrochem[ie] (Germany) 1909, v. 15 [no. 20] p. 784-790.
Another trans. is available from SLA as II-5, 24p.

Avgul', N.N., Kiselev, A.V. and others.
CALCUL DE L'ÉNERGIE D'ADSORPTION DES MOLÉCULES NON POLAIRES SUR LE GRAPHITE (K Raschetu Energii Adsorbtsii Nepolyarnykh Molekul na Grafite) (Calculation of the Adsorption Energy of Nonpolar Molecules on Graphite). 25p. (foreign text included) 8refs. CNRS-VIII 121.
Order from OTS, ETC or CNRS $2.60 TT-62-28787

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1959, no.7, p.1196-1206.

Bagotskaya, I.A.
PROPRIÉTÉS RÉDUCTRICES ET OXYDANTES DE L'HYDROGÈNE ATOMIQUE DIFFUSANT À LA SURFACE D'ÉLECTRODES POLARISÉES BAIGNANT DANS DES SOLUTIONS ALCALINES (Vosstanovitel'nye i Okislitel'nye Svoistva Diffundiruyushchego Atomarnogo Vodoroda Na Poverkhnosti Polyarizovannogo Elektroda v Shchelochnykh Rastvorakh) (Redox Properties of Diffuse Atomic Hydrogen on the Surface of a Polarized Electrode in Alkaline Solutions). 12p. (foreign text included) 4refs. CNRS-VIII bis 402.
Order from OTS, ETC or CNRS $1.60 TT-62-28165

Trans. in French of Akademiya Nauk SSSR. Doklady, 1956, v.110, no.3, p.397-400.

Batashev, K. P.
ELECTRICAL CONDUCTIVITY OF FUSED MIXTURES OF NaCl, KCl, and $MgCl_2$. [1963] 33p (figs omitted) 24refs
Order from OTS, SLA, or ETC $3.60 TT-64-10458

Trans. of Metallurg [Leningrad] (USSR) 1935, v. 10, [no. 7] p. 100-113.
Other translations are available from OTS or SLA $3.60 as TT-63-18136 [1963] 33p and from SLA as RT-2145 [39p].

Budov, G.M. and Losev, V.V.
ÉTUDE DES PROCÉDÉS ÉLECTROLYTIQUES APPLIQUÉS À L'AMALGAME DU ZINC PAR LA MÉTHODE DES INDICATEURS RADIOACTIFS (Izuchenie Elektrolnykh Protsessov na Amal'game Tsinka Metodom Radioaktivnykh Indikatorov) (A Study of Electrode Process on Zinc Amalgam by Means of Radioactive Indicators). 16p. (foreign text included) 15refs.
CNRS-VIII bis 461.
Order from OTS, ETC or CNRS $1.60 TT-62-28186

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v.122, no.1, p.90-93.
Another trans. is available in English from CB $5.00.

Bukhman, A.S. and Malin, K.M.
FORCE MOTRICE DANS LE PROCESSUS D'ABSORPTION DES ACIDES D'AZOTE PAR L'ACIDE SULFURIQUE (Dvizhushchkaya Sila Absorptsii Okislov Azota Sernoi Kislotoi) (Motive Force of the Absorption of Nitrogen Oxides by Sulfuric Acid). 16p. (foreign text included) 13refs. CNRS-VIII bis 381.
Order from OTS, ETC or CNRS $1.60 TT-62-28179

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1956, v.29 no.5, p.671-675.

Bukhman, A.S. and Malin, K.M.
INFLUENCE DE LA VITESSE LINÉAIRE ET DE LA TEMPÉRATURE DU GAZ SUR L'ABSORPTION DES OXYDES D'AZOTE PAR L'ACIDE SULFURIQUE (Vliyanie Lineinoi Skorosti Gaza i Temperatury na Skorost' Absorbtsii Okislov Azota Sernoi Kislotoi) (Effect of Linear Gas Flow Rate and Temperature on the Rate of Absorption of Nitrogen Oxides by Sulfuric Acid). 23p. (foreign text included) 10refs. CNRS-VIII bis 379.
Order from OTS, ETC or CNRS $2.60 TT-62-28177

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1956, v.29 no.4, p.512-519.

Chekhovskoi, Yu. V., Kazamskii, V. M. and Leirikh, V. E.
PORE STRUCTURE AND TYPES OF MOISTURE BONDING IN CEMENT STONE. 31 Dec 63, 7p 7refs JPRS: 22553 (p. 60-66).
Order from OTS $3.50 in TT-64-21181 (p. 60-66)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 50-54]. (Abstract available)

Chernyaev, L. I.
THE EFFECT OF FORMS OF MOISTURE BONDS ON ASBESTOS CEMENT DEFORMATION. 31 Jan 64, 7p 4refs JPRS: 23006 (p. 126-132).
Order from OTS $3.00 in TT-64-21444 (p. 126-132)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 100-104]. (Abstract available)

Chufarov, G.I., Averbukh, B.D. and others.
INFLUENCE RALENTISSANTE DES PRODUITS GAZEUX DE RÉACTION SUR LA VITESSE DE RÉDUCTION DES OXYDES DE MANGANÈSE PAR L'HYDROGÈNE ET L'OXYDE DE CARBONE (Zamedlyayushchee Vliyanie Gazoobraznykh Produktov Reaktsii na Skorost' Vosstanovleniya Okislov Margantsa Vodorodom i Okis'yu Ugleroda) (Retarding Action of Gaseous Reaction Products on the Rate of Reduction of Manganese Oxides by Hydrogen and Carbon Monoxide). 21p. (foreign text included) 7refs. CNRS-VIII bis 97.
Order from OTS, ETC or CNRS $2.60 TT-62-28755

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1952, v.26, no.6, p.834-841.
Another trans. is available in English from SLA as R-5085, 10p.

Dudunskaya, A.A., Shvekhgeimer, G.A. and others
INFLUENCE DE LA CONFIGURATION DES NITROPHILODIENES R-Ch=CH-NO2 SUR LEUR CONDENSATION AVEC LE CYCLOPENTADIENE (Vliyanie Konfiguratsii Nitrofilodienov R-CH = CH-NO2 na Ikh Kondensatsiyu s Tsiklopentadienom) (The Effect of Configuration of Nitrodienophiles R-CH = CH-NO2 on their Condensation with Cyclopentadiene). 11p. (foreign text included) 5refs. CNRS-VIII 115.
Order from OTS, ETC or CNRS $1.60 TT-62-28785

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1961, no.1, p.182-184.

Fedotov, N.A.
PROPRIÉTÉS DES ÉLECTRODES DE VERRE AU LITHIUM (Elektrodnye Svoistva Litievogo Stekla) (The Electrode Properties of Lithium Glass). 19p. (foreign text included) 2refs. CNRS-VIII bis 487.
Order from OTS, ETC or CNRS $0.80 TT-62-28257

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1958, v.32, no.9, p.1951-1957.

Frumkin, A.N.
ETUDE DU MECANISME DE LA SEPARATION PAR ELECTROLYSE DE L'HYDROGENE PAR INTRODUCTION A LA SURFACE DE L'ELECTRODE, DE QUANTITES SUPPLEMENTAIRES D'HYDROGENE ATOMIQUE (Ob Issledovanii Mekhanizma Elektroliticheskogo Vydeleniya Vodoroda Metodom Voedeniya Dopolnitel'nykh Kolichestv Atomarnogo Vodoroda na Poverkhnost' Elektroda) (Investigation of Electrolytic Hydrogen Evolution by the Addition of Atomic Hydrogen to the Electrode Surface). 31p. (foreign text partially included) 18refs. CNRS-VIII bis 790.
Order from OTS, ETC or CNRS $1.15 TT-62-29190

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1957, v.31, no.8, p.1875-1890.

Glazkova, A.P. and Tereshkin, I.A.
SUR L'INFLUENCE DE LA PRESSION SUR LA COMBUSTION DES EXPLOSIFS (O Zavisimosti Skorosti Goreniya Vzryvchatykh Veshchestv ot Davleniya) (Pressure Dependance of the Burning Velocity of Explosives). 22p. (foreign text included) 4refs. CNRS-VI 725.
Order from OTS, ETC or CNRS $2.60 TT-62-28764

Trans. in French of #Zhurnal Fizicheskoi Khimii (USSR) 1961, v.35, no.7, p.1622-1628.
Trans. in English available from OTS, ETC or SLA $1.60 as 62-14212, 1962, 12p.

Gurevich, I. G. and Bagotskii, V. S.
THE OPERATION OF FLUID POROUS ELECTRODES IN A FORCED REAGENT-SUPPLY SYSTEM. 31 Dec 63, 17p 7refs JPRS: 22553 (p. 97-113).
Order from OTS $3.50 in TT-64-21181 (p. 97-113)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 75-85].

Imatomi, Shoichiro.
THE CRYSTALLIZING POINTS OF THE SYSTEM MgCl-KCl-NaCl. [1963] 5p (figs omitted)
Order from SLA $1.10 TT-64-14409

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1940, v.19, p. 167-169.

Ishikawa and Tsujikata.
CONDUCTIVITÉ THERMIQUE DE MÉLANGES GAZEUX (Thermal Conductivity of Gaseous Mixtures). 24p. 7refs. CNRS-VIII bis 580.
Order from OTS, ETC or CNRS $2.60 TT-62-26536

Trans. in French of Unidentified Japanese language article. n.d.

Itkina, D.Ya., Malin, K.M. and Pastukhova, M.G.
CINÉTIQUE DE LA FORMATION D'ACIDES (Kinetika Kislotoobrazovaniya) (Kinetics of Acid Formation) 22p. (foreign text included) 7refs. CNRS-VIII bis 294.
Order from OTS, ETC or CNRS $0.86 TT-62-28269

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1952, v.25, no.10, p.1023-1031.

Karetnikov, Yu.P., Tarasova, V.N. and Zhidileva, K.P.
TEMPÉRATURES D'ÉBULLITION DES SOLUTIONS DU SULFURE DE SODIUM (Temperatury Kipeniya Rastvorov Sernistogo Natriya) (Boiling Points of Sodium Sulfide Solutions). 10p. (foreign text included) CNRS-VI 702.
Order from OTS, ETC or CNRS $1.10 TT-62-28723

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.3, p.682-684.

Kobozev, N.I.
MÉCANISME DE LA CATALYSE. I. (O Mekhanizme Kataliza. I.) (On the Mechanism of Catalysis. I.). 61p. (foreign text included) 25refs. CNRS-VIII bis 462.
Order from OTS, ETC or CNRS $6.60 TT-62-28187

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1957, v.31, no.10, p.2162-2183.
Trans. in English available from LC or SLA mi$2.70, ph $4.80 as TT-59-10305, 1959, 28p and from ATS $27.25 as ATS-19K25R, 24p.

Kochetkov, N.K., Budovskii, E.I. and others.
SUR LA STÉRÉOCHIMIE DES AZOLACTONES (K Voprosu o Stereokhimii Azlaktonov) (The Stereochemistry of Azlactones). 15p. (foreign text included) 16refs. CNRS-VIII bis 661.
Order from OTS, ETC or CNRS $0.80 TT-62-28254

Trans. in French of #Zhurnal Obshchei Khimii (USSR) 1960, v.30, no.8, p.2573-2578.

Kortuem, Gustav and Vogel, Josef.
CHEMISORPTION AND COLOR OF MALACHITE GREEN O-CARBOXYLIC ACID LACTONE IN VARIOUS INTERPHASES. [1963] 21p 10refs
Order from SLA $2.60 TT-64-10160

Trans. of Chem[ische] Ber[ichte] (West Germany) 1960, v. 93, p. 706-719.

Kul'kova, N.V. and Temkin, M.I.
DÉTERMINATION DE L'ÉNERGIE LIBRE DE L'OXYGÈNE DANS LA COUCHE SUPERFICIELLE DES CATALYSEURS D'OXYDATION. I.(Opredelenie Svobodnoi Energii Kisloroda v Poverkhnotnom Sloe Okislotel'nykh Katalizatorov. I.) (The Determination of the Free Energy of Oxygen in the Surface Layers of Oxidation Catalysts. I.). 26p. (foreign text included) 13refs. CNRS-VIII bis 459.
Order from OTS, ETC or CNRS $2.60 TT62-28185

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1957, v.31, no.9, p.2017-2025.

Kurtepov. M. M. and Gryaznova, A. S.
THE EFFECT OF METALLIC IONS ON THE CORROSION OF STAINLESS STEEL IN CONCENTRATED NITRIC ACID SOLUTIONS (Vliyanie Ionov Metallov na Korroziya Nerzhaveyushchei Stali v Kontsentrirovannykh Rastvorakh NiO_3). Aug 61 [8p] (foreign text included) 12refs [DSIR] NLL M.3504
Order from OTS, SLA, or ETC $1.10 TT-63-23378

Trans. of Akademiya Nauk SSSR. Doklady, 1960, v. 135, no. 4, p. 899-901. (Abstract available)

Kuz'minykh, I.N.
LA THÉORIE DE L'ABSORPTION DES OXYDES D'AZOTE PAR L'ACIDE SULFURIQUE (K Teorii Absorbtsii Okislov Azota Sernoi Kislotoi) (On the Theory of Absorption of Nitrogen Oxides with Sulphuric Acid). 25p. (foreign text included) 13 refs. CNRS-VII 20.
Order from OTS, ETC or CNRS $2.60 TT-62-28746

Trans. in French of Zhurnal Prikladnoi Khimii (USSR) 1947, v.20, no.4, p.309-318.
Trans. in Dutch is available from OTS or ETC $1.60 as 61-17768, MTWL: 83, 14p.

Kuznetsov, S.I., Serebrennikova, O.V. and Kalovskaya, K.V.
ACCÉLÉRATION DE LA DÉCOMPOSITION DES SOLUTIONS D'ALUMINATES PAR VACCINATION À L'AIDE DES HYDROXYDES ET OXYDES D'ALUMINIUM (Uskorenie Razlozheniya Alyuminatnykh Rastvorov s Pomoshch'yu Zatravok iz Gidrookisei i Okisei Alyuminiya) (Acceleration of the Decomposition of Aluminate Solutions by Additions of Aluminum Hydroxides and Oxides). 17p. (foreign text included) 6refs. CNRS-VI 457.
Order from OTS, ETC or CNRS $1.60 TT-62-28707

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1957, v.30, no.2, p.195-200.

Levitskaya, E.P.
ÉTUDE DE L'ÉQUILIBRE LIQUIDE-VAPEUR DU SYSTÈME TERNAIRE: ÉTHANE-MÉTHANE-HYDROGÈNE (Issledovanie Ravnvesiya Zhidkost'-par Troinoi Sistemy: Etane-Metan-Vodorod) (Investigation of the Liquid-Vapor Equilibrium in the Ternary System Ethane-Methane-Hydrogen). 17p. (foreign text included) 9refs. CNRS-VI 801.
Order from OTS, ETC or CNRS $0.80 TT-62-28588

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1941, v.11, no.3, p.197-204.
Other translations are available in English from ATS as RJ-306; from OTS or SLA $1.10 as TT-61-18036 and $1.60 as TT-62-18807; and in Dutch from OTS or ETC $1.85 as TT-61-17751.

Nikolaev, L.A. and Papko, S.I.
ÉTUDE EXPÉRIMENTALE DE LA CINÉTIQUE DES RÉACTIONS DANS LES LIQUIDES PAR LA MÉTHODE DES VEINES (Eksperimental'noe Issledovanie Kinetiki Reaktsii v Zhidkostyakh Struinym Metodom) (Experimental Investigation of Reaction Kinetics in Liquids by the Flow Method). 11p. (foreign text included) 5refs. CNRS-VIII bis 415.
Order from OTS, ETC or CNRS $1.60 TT-62-28167

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1955, v.29, no.6, p.1113-1115.

Nikolaev, N. S.
REACTION OF HYDROGEN SULFIDE WITH SULFUR DIOXIDE IN AQUEOUS SOLUTIONS. [1963] [18p] 12refs
Order from OTS, SLA, or ETC $1.60 TT-63-20995

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939, v. 12 [no. 7] p. 1013-1021.

Papko, S.I. and Nikolaev, L.A.
AU SUJET DE L'ÉTUDE DE LA CINÉTIQUE DES RÉACTIONS PAR LA MÉTHODE DES VEINES (K Voprosu Ob Issledovanii Kinetiki Reaktsii Struinym Metodom)(Study of Reaction Kinetics by the Flow Method). 10p. (foreign text included) 7refs. CNRS-VIII bis 414.
Order from OTS, ETC or CNRS $1.10 TT-62-28191

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1956. v.30, no.11, p.2582-2584.

Petrov, V. N.
DETERMINING THE CRITICAL RATE OF FLUIDIZATION OF A BINARY BED OF PARTICLES OF VARYING DENSITY. 31 Dec 63, 11p 10refs JPRS: 22553 (p. 67-77).
Order from OTS $3.50 in TT-64-21181 (p. 67-77)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 55-62].

Rabinovich, I.B., Fedorov, V.L. and others.
EFFET ISOTOPIQUE DANS LA SOLUBILITÉ RÉCIPROQUE DE COMPOSÉS LIQUIDES DE DEUTÉRIUM (Izotopnyi Effekt vo Vzaimno Rastvorimosti Zhidkikh Deiterosoedinenii) (Isotope Effect in the Mutual Solubility of Liquid Deutero-Compounds). 14p. (foreign text included) 4refs. CNRS-VII 44.
Order from OTS, ETC or CNRS $1.60 TT-62-28741

Trans. in French of Akademiya Nauk SSSR. Doklady, 1955, v.105, no.1, p.108-111.
Trans. in English is available from NRCC $0.50 as NRCC C-3345, 1960, 10p.

Roginskii, S.Z.
MÉTHODES D'ÉTUDES ISOTOPIQUES DE L'HÉTÉROGÉNÉITÉ DES SURFACES ACTIVES ET DE L'ACTION MUTUELLE DANS UNE COUCHE D'ADSORPTION (Izotopnye Metody Izucheniya Neodnorodnosti Aktivnykh Noverkhnostei i Vzaimodeistviya v Adsorptsionnom Sloe)(Isotopic Methods of Study of the Heterogeneity of Active Surfaces and the Interactions in Adsorptive Layer). 24p. (foreign text included) 8refs. CNRS-VIII bis 472.
Order from OTS, ETC or CNRS $2.60 TT-62-28190

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1958, v.32, no.4, p.737-745.
Another translation in French is available from OTS, ETC or SLA $2.60 as TT-61-23755, 1959, 25p.
Trans. in English available from LC or SLA mi$2.40, ph$3.30 as TT-60-14116, 1959, 11p.

Roginskii, S.Z.
ORIGINE ET SIGNIFICATION DES CARACTÉRISTIQUES ÉNERGÉTIQUES VARIABLES DU PROCESSUS CATALYTIQUE (Proiskhozhdenie i Znachenie Izmenyayushchikhsya Energeticheskikh Kharakteristik Kataliticheskogo Protsessa) (The Origin and Significance of the Energy Characteristics of Catalytic Processes). 25p. (foreign text included) 15refs. CNRS-VIII bis 467.
Order from OTS, ETC or CNRS $2.60 TT-62-28189

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1957, v.31, no.11, p.2381-2390.
Another trans. is available in English from SLA as R-5109, 10p.

Sheiman, V. A.
EXPERIMENTAL INVESTIGATION OF THE PROCESS OF DRYING IN A SUSPENDED STATE. 31 Dec 63, 12p 14refs JPRS: 22553 (p. 78-89)
Order from OTS $3.50 in TT-64-21181 (p. 78-89)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 196 v. 6, no. 5 [p. 63-69].

Shurmovskaya, N.A., Bruns, B.P. and Mel'nikova, Z.Ya.
RÉACTION ENTRE L'OXYDE DE CARBONE ET LE BIOXYDE DE MANGANÈSE (Reaktsiya Mezhdu Okisyu Ugleroda i Dvuokis'yu Margantsa) (Reaction Between Carbon Monoxide and Manganese Dioxide). 19p. (foreign text included) 17refs. CNRS-VIII bis86.
Order from OTS, ETC or CNRS $1.60 TT-62-28757

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1951, v.25, no.11, p.1306-1312.

Tolmachev, Yu.M.
SPECTRES D'ABSORPTION DES SOLUTIONS AQUEUSES DES SELS ET DES COMPOSÉS DU THORIUM (Spektry Pogloshcheniya Vodnykh Rastvorov Solei i Kompleksnykh Soedinenii Toriya) (Absorption Spectra of Aqueous Solutions of Thorium Salts and Complex compounds). 15p. (foreign text included) 13refs. CNRS-VII 112.
Order from OTS, ETC or CNRS $0.80 TT-62-28798

Trans. in French of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1944, no.5, p.320-32
Another trans. is available in English from SLA as RT-2144, 8p.

Topchieva, K. V. and Moskovskaya, I. F.
NATURE OF THE ACTIVITY OF ALUMINOSILICATE CRACKING CATALYSTS. [1963] 9p 29refs
Order from OTS, SLA, or ETC $1.10 TT-64-10700

Trans. of mono. Mezhvuz[ovskoe] Soveshch[anie] po Katalizu (Interuniversity Conference on Catalysis) (no. 1) [Moscow] 1958. Tr[udy] v. 1, pt. 1 p. 83-89.

Überreiter, Kurt and Orthmann, Hans-Joachim.
SPECIFIC HEATS, SPECIFIC VOLUMES, TEMPERATURE CONDUCTIVITIES AND THERMAL CONDUCTIVITIES OF SEVERAL DISUBSTITUTED BENZENES AND POLYCYCLIC SYSTEMS. [1963] 22p (figs omitted) 15refs
Order from SLA $2.60 TT-64-14413

Trans. of Z[eitschrift für] Naturforsch[ung] (West Germany) 1950, v. 5a, p. 101-108. (Abstract available)
Another trans. is available from SLA as 1055, 22p.

Varlamov, M.L. and Krichevskaya, E.L.
INFLUENCE DE LA TEMPÉRATURE, DE LA VITESSE DE TRANSPORT DES OXYDES D'AZOTE ET DE FIXATION DE L'ACIDE SULFURIQUE SUR LA VITESSE DE FORMATION DE L'ACIDE (O Vliyanii Temperatury, Skorosti Perenosa Okislov Azota i Zakrepleniya Sernoi Kisloty na Skorost' Kislotoobrazovaniya) (The Influence of Temperature, Rate of Nitrogen Oxide Transfer, and Sulfuric Acid Fixation on the Rate of Acid Formation). 24p. (foreign text included) 14refs. CNRS-VIII bis 380.
Order from OTS, ETC or CNRS $1.60 TT-62-28176

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1956, v.29, no.5, p.675-682.

Varlamov, M.L. and Krichevskaya, E.L.
SUR LA TRANSMISSION DE MASSE ET LA CINÉTIQUE DE LA FORMATION D'ACIDE DANS LA PHASE LIQUIDE DES SYSTÈMES NITROSYL-SULFURIQUES (Mass Transfer and Kinetics of Acid Formation in the Liquid Phase of Nitrose Sulfuric Acid Systems). 24p. (foreign text included) 18refs. CNRS-VIII bis 382.
Order from OTS, ETC or CNRS $2.60 TT-62-28178

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1956, v.29, no.4, p.520-528.

Veselovskii, V.I.
CAPACITE DE POLARISATION ET PROPRIETES D'ADSORPTION DE L'ELECTRODE D'ARGENT (The Polarization Capacity and Adsorption Properties of the Silver Electrode). 28p. 19refs. CNRS-VIII bis 795.
Order from OTS, ETC or CNRS $1.05 TT-62-29303

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1939, v.13, no.11, p.1546-1558.

Vishnevskii, N.E., Stolyarov, B.V. and others.
CHALEUR DE RÉACTION DES BUTYLÈNES AVEC L'ACIDE SULFURIQUE (Teplovoi Effekt Vzaimodeistviya Butilenov s Sernoi Kislotoi) (Heat of Reaction of Butylenes with Sulfuric Acid). 20p. (foreign text included) 29refs. CNRS-VI 681.
Order from OTS, ETC or CNRS $1.60 TT-62-28751

Trans. in French of *Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.4, p.920-926.

Zin'kov, Z.E., Budrina, E.A. and Zakharova, N.G.
DISTRIBUTION DE PHASES DE L'ACIDE NITRIQUE DANS LA NITRATION CONTINUE DE BENZENE (Phase Distribution of Nitric Acid in Continuous Nitration of Benzene). 8p. 13refs. CNRS-VI 833.
Order from OTS, ETC or CNRS $0.80 TT-62-29305

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1962, v. 35 [no. 1] p. 139-141.

EARTH SCIENCES

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 2. 24 Jan 64, 9p JPRS: 22887.
Order from OTS $0.50 TT-64-21382

Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia and Poland.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 4. 4 Feb 64, 5p JPRS: 23057.
Order from OTS $0.50 TT-64-21474

Abstract trans. of Idojaras (Hungary) 1963, v. 67, no. 5, p. 257-307, 311-312.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 5. 5 Feb 64, 15p JPRS: 23083.
Order from OTS $0.50 TT-64-21486

Consists of abstracts of articles from selected scientific and technical journals of Czechoslovakia and Hungary.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 9. 24 Feb 64, 7p JPRS: 23355.
Order from OTS $0.50 TT-64-21629

Consists of abstracts of articles from selected scientific and technical journals of East Germany and Rumania.

Bulanzhe, Yu. D.
CONFERENCE OF REPRESENTATIVES OF COUNTRIES OF THE EUROPEAN-ASIATIC REGION (NO. 5) [WARSAW, DEC 61] (Pyatoe Soveshchanie Predstavitelei Stran Evropeisko-Azyatskogo Regiona). 3 Feb 64, 5p AID Rept. T-64-8 (p. 13-17).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 13-17)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 39-42. (Abstract available)
Another trans. is available from OTS $1.75 in TT-63-41003, JPRS-21593, (p. 27-30).

Bulanzhe, Yu. D.
SECULAR VARIATIONS OF GRAVITY (Vekovye Izmeneniya Sily Tyazhesti). 3 Feb 64, 9p 10refs AID Rept. T-64-8 (p. 35-43).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 35-43)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 74-80.
Another trans. is available from OTS $1.00 in TT-63-41187, JPRS-21967 (p. 1-8).

Denisov, N. G. and Tatarskii, V. I.
AVERAGE DIFFRACTION PATTERN IN THE FOCAL PLANE OF A LENS. 27 Jan 64, 14p 5refs JPRS: 22922 (p. 120-133).
Order from OTS $6.00 in TT-64-21402 (p. 120-133)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 488-494. (Abstract available)

Gulubov, Zh., Ivanov, I., Penchev, P., Mishev, K., and Nedelcheva, V.
PHYSICAL GEOGRAPHY OF BULGARIA. 14 Jan 64, 412p 9refs JPRS: 22726.
Order from OTS $6.00 TT-64-21284

Trans. of mono. Fizicheskaya Geografiya Bolgarii, Moscow, 1960, 358p.

Kondorskaya, N. V.
MEETING OF THE COMMITTEE ON INTERNATIONAL SEISMOLOGICAL SUMMARY (O Soveshchanii Komiteta po Mezhdunarodnoi Seismologicheskoi Svodke). 3 Feb 64, 6p AID Rept. T-64-8 (p. 7-12).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 7-12)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 10-13.

Lindberg, G. U.
ON THE CONNECTION BETWEEN THE CONTINENTS OF EUROPE AND AMERICA. 1963, 14p 18refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 68-81)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Petrovic, Nikola.
THE HYDROLOGICAL FEATURES OF THE SAVA RIVER: REPORT BY DAVID PESIC OF 1838. 1963, 5refs PL-480 Int.
Order from OTS $0.75 in TT-62-19470/3 (p. 71-74)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni" Sapostenja (Yugoslavia) 1962, v. 9, no. 24.

Climatology and Meteorology

RECENT DEVELOPMENTS IN HIGH-ALTITUDE WEATHER FORECASTING. 15 Jan 64, 29p 25refs JPRS: 22741.N64-13467
Order from OTS $1.00 TT-64-21296

Trans. of Tsentral'nyi Institut Prognozov. Trudy (USSR) 1963, v. 120, p. 34-57.

Separate entries have been prepared for the individual articles.

RESEARCH AND DEVELOPMENT IN METEOROLOGY [SELECTED ARTICLES]. 14 Feb 64, 43p (63refs omitted) 70refs JPRS: 23235.
Order from OTS $1.25 TT-64-21563

Trans. from mono. Vsesoyuznoe Nauchno Meterologicheskoe Soveshchanie (All-Union Scientific Meteorological Conference) (no. 1) Leningrad, 1961. Trudy, v. 4 [Leningrad] 1962.

Separate entries have been prepared for the individual articles.

STUDIES IN CLOUD PRECIPITATION AND CONTRAILS. 26 Feb 64, 59p 7refs JPRS: 23407.
Order from OTS $1.75 TT-64-21659

Trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1963, no. 47, p. 63-84, 101-105.

Separate entries have been prepared for the individual articles.

Drozdov, O. A. and Pokrovskaya, T. V.
ANALYSIS OF STATISTICAL HELIOCLIMATIC RELATIONSHIPS. 14 Feb 64, 19p 25refs JPRS: 23235 (p. 25-43).
Order from OTS $1.25 in TT-64-21563 (p. 25-43)

Trans. from mono. Vsesoyuznoe Nauchno Meterologicheskoe Soveshchanie (no. 1) Leningrad, 1961. Trudy, v. 4 [Leningrad] 1962.

Dultseva, M. A. and Ped', D. A.
FLUCTUATIONS OF HIGH-ALTITUDE PLANETARY FRONTAL ZONES DURING NATURAL SYNOPTIC PERIODS. 15 Jan 64, 12p 10refs JPRS: 22741 (p. 1-12).
Order from OTS $1.00 in TT-64-21296 (p. 1-12)

Trans. of Tsentral'nyi Institut Prognozov, Trudy (USSR) 1963, v. 120, p. 34-43. (Abstract available)

Minervin, V. E. and Shupyatskii, A. B.
RADAR METHOD OF DETERMINING THE PHASE STATE OF CLOUDS AND PRECIPITATIONS. 26 Feb 64, 49p 6refs JPRS: 23407 (p. 1-49).
Order from OTS $1.75 in TT-64-21659 (p. 1-49)

Trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1963, no. 47, p. 63-84. (Abstract available)

Nepovitova, A. F.
SOME DATA ON THE OCCURRENCE OF CONTRAILS BEHIND AIRPLANES. 26 Feb 64, 10p 1ref JPRS: 23407 (p. 50-59).
Order from OTS $1.75 in TT-64-21659 (p. 50-59)

Trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1963, no. 47, p. 101-105. (Abstract available)

Ped', D. A.
FORECASTING THE DEFORMATION OF A HIGH-ALTITUDE PLANETARY FRONTAL ZONE DURING NATURAL SYNOPTIC PERIODS. 15 Jan 64, 11p 10refs JPRS: 22741 (p. 19-29)
Order from OTS $1.00 in TT-64-21296 (p. 19-29)

Trans. of Tsentral'nyi Institut Prognozov. Trudy (USSR) 1963, v. 120, p. 49-57.

Rubashev, B. M.
SOVIET AND FOREIGN INVESTIGATIONS ON THE SUN-TROPOSPHERE PROBLEM. 14 Feb 64, 11p (63refs omitted) 34refs JPRS: 23235 (p. 14-24).
Order from OTS $1.25 in TT-64-21563 (p. 14-24)

Trans. from mono. Vsesoyuznoe Nauchno Meterologicheskoe Soveshchanie (no. 1) Leningrad, 1961. Trudy, v. 4 [Leningrad] 1962.

Sapozhnikova, S. A.
PRESENT-DAY METHODS IN CLIMATOGRAPHY AND THE PROSPECTS FOR THEIR DEVELOPMENT. 14 Feb 64, 13p 11refs JPRS: 23235 (p. 1-13).
Order from OTS $1.25 in TT-64-21563 (p. 1-13)

Trans. from mono. Vsesoyuznoe Nauchno Meterologicheskoe Soveshchanie (no. 1) Leningrad, 1961. Trudy, v. 4 [Leningrad] 1962.

Shvets, M. E. and Shneerov, B. E.
RESULTS OF RADIATION MEASUREMENTS FROM SATELLITES IN A NON-ADIABATIC MODEL OF ATMOSPHERIC MOVEMENTS. 7 Feb 64, 5p 7refs JPRS: 23129. N64-14921
Order from OTS $0.50 TT-64-21515

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 152, no. 3, p. 598-601. (Abstract available)

Zverev, N. I.
FORECASTING THE AT_{500} FOR THE NORTHERN HEMISPHERE FOR 3-5 DAYS. 15 Jan 64, 6p 5refs JPRS: 22741 (p. 13-18).
Order from OTS $1.00 in TT-64-21296 (p. 13-18)

Trans. of Tsentral'nyi Institut Prognozov. Trudy (USSR) 1963, v. 120, p. 44-48.

Frost Science

PERMAFROST RESEARCH, 1963, NO. 1: [SELECTED ARTICLES]. 13 Jan 64, 50p 35refs JPRS: 22701.
Order from OTS $1.50 TT-64-21266

Trans. of Merzlotnye Issledovaniya (USSR) 1961, v. 1, p. 190-235.

Separate entries have been prepared for the individual articles.

Ananyan, A. A.
SPECIFIC ELECTRICAL CONDUCTIVITY OF FROZEN ROCK IN THE NATURAL STRUCTURE IN THE REGION OF THE CITY OF IGARKA. 13 Jan 64, 10p 11refs JPRS: 22701 (p. 20-29)
Order from OTS $1.50 in TT-64-21266 (p. 20-29)

Trans. of Merzlotnye Issledovaniya (USSR) 1961, v. 1, p. 208-215.

Ananyan, A. A. and Dobrovol'skii, V. P.
SPECIFIC ELECTRICAL CONDUCTIVITY OF FROZEN ROCK IN THE NATURAL STRUCTURE OF THE REGION OF THE CITY OF SALEKHARD. 13 Jan 64, 11p 3refs JPRS-22701 (p. 30-40).
Order from OTS $1.50 in TT-64-21266 (p. 30-40)

Trans. of Merzlotnye Issledovaniya (USSR) 1961, v. 1, p. 216-226.

Dobrovol'skii, V. P.
APPLICATION OF THE RESISTANCE METHOD OF ELECTRICAL PROSPECTING IN HYDRAULIC CONSTRUCTION SURVEYS IN CONDITIONS OF PERENNIALLY FROZEN ROCK. 13 Jan 64, 19p 11refs JPRS: 22701 (p. 1-19)
Order from OTS $1.50 in TT-64-21266 (p. 1-19)

Trans. of Merzlotnye Issledovaniya (USSR) 1961, v. 1, p. 190-207.

Eigenson, M. S.
ANTARCTIC ICE, CLIMATIC VARIATIONS AND SOLAR ACTIVITY. 9 Jan 62 [4p] 3refs [DSIR] NLL M.3708.
Order from OTS, SLA, or ETC $1.10 TT-63-19842

Unedited trans. of Sov[etskaya] Ant[arkticheskaya] Eksp[editsiya]. Inf[ormatsionnyi] Byull[eten'] (USSR) 1959, no. 8, p. 8-11.

Frolov, A. D.
USE OF RADIO STATION BROADCAST FIELD IN MAPPING CONTACTS OF PERENNIALLY FROZEN STRATA. 13 Jan 64, 10p 10refs JPRS: 22701 (p. 41-50)
Order from OTS $1.50 in TT-64-21266 (p. 41-50)

Trans. of Merzlotnye Issledovaniya (USSR) 1961, v. 1, p. 227-235.

Teikin, E. N.
PROFILE THERMAL SOUNDING AND THE DELIMITATION OF GLACIER ZONES ON EL'BRUS (Marshrutnoe Termozondirovanie i Vydelenie Glyatsiologicheskikh Zon na El'bruse). 3 Feb 64, 6p 3refs AID Rept. T-64-8 (p. 29-34).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 29-34)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 69-73.

Geology

BULLETIN (GEOLOGY) SERIES A, 1962, NO. 20. Z. Stojadinovic and E. Tornquist, trs. 1963, 355p 304refs PL-480 Int.
Order from OTS $3.50 TT-62-11756/1

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, 335p.

Separate entries have been prepared for the individual articles.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 23. 24 Feb 64, 9p JPRS: 23343.
Order from OTS $0.50 TT-64-21624

Trans. of selected abstracts from Referativnyi Zhurnal. Geol[ogiya] (USSR) 1963, no. 9.

IGY PAPERS ON TECTONICS, SEISMOLOGY AND GRAVITY. Rept. on AID Work Assignment no. 35. 3 Feb 64 [65p] 22refs AID Rept. T-64-8.
Order from OTS, SLA, or ETC $6.60 TT-64-13687

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 3-6, 10-13, 39-42, 61-84, 103-108, 125-127.

Separate entries have been prepared for the individual articles.

SEARCH FOR MINERALS IN THE UKRAINE. 19 Nov 63, 1p JPRS: 21915 (p. 15).
Order from OTS $0.75 in TT-63-41163 (p. 15)

Trans. from Sovetskaya Latviya (Latvian SSR) 1963, 14 Sep.

STUDIES ON SEISMIC OBSERVATION METHODS. 7 Feb 64, 47p 16refs JPRS: 23134.
Order from OTS $1.25 TT-64-21519

Trans. of Geologiya i Geofizika (USSR) 1963, no. 9, p. 66-101.

Separate entries have been prepared for the individual articles.

SURVEY OF THE METHODS OF EXPERIMENTAL INVESTIGATIONS OF MECHANICAL CHARACTERISTICS OF THE ROCK MASSES IN YUGOSLAVIA. 1963, 21p 18refs PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 5-25)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Antonijevic, Ivan and Milosakovic, Radomir.
THE GEOLOGICAL COLUMN OF KUCAJ MOUNTAIN. 1963, 14p 15refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 79-92)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 93-99.

Bulanzhe, Yu. D. and Meshcheryakov, Yu. A.
STUDY OF THE RECENT MOVEMENTS OF THE EARTH'S CRUST (Izuchenie Sovremennykh Dvizhenii Zemnoi Kory). 3 Feb 64, 6p AID Rept. T-64-8 (p. 1-6).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 1-6)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 3-6.

Ciculic, Milinka.
PALEOGEOGRAPHIC SKETCH OF THE TERTIARY BASINS IN THE MORAVA TROUGH. 1963, 8p 24refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 295-302)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 263-269.

Ciric, Aleksandar.
ON THE OCCURRENCE OF THE SPECIES MASTODON (BUNOLOPHODON) ANGUSTIDENS CUV, FORMA SUBTAPIROIDEA SCHLES. IN THE BROWN COAL MINE "JARANDO" NEAR RASKA. 1963, 4p 5refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 93-96)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 103-104.

Ciric, Aleksandar.
SOME OBSERVATION ON THE BAUXITES IN WESTERN HERZEGOVINA. 1963, 14p 5refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 39-50)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 47-56. (Abstract available)

Ciric, Aleksandar.
THE "STYRIAN" MAMMAL FAUNA OF LOZOVIK, NEAR SVETOZAREVO. 1963, 10p 7refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 97-106)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 107-112.

Ciric, Branislav and Gaertner, Hans Rudolf von.
ON THE PROBLEM OF THE VARISCIAN FOLDING IN YUGOSLAVIA. 1963, 10p 10refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 303-312)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 279-287.

Danilova, Aleksandra.
NEOIRAQIA CONVEXA: A NEW FORAMINIFER FROM THE CENOMANIAN-TURONIAN OF KOSOVO POLJE. 1963, 13p 5refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 225-238)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 223-226.

Drovenik, M., Antonijevic, I., and Micic, I.
SOME NEW VIEWS ON THE MAGMATIC PHASES AND GEOLOGICAL STRUCTURE OF THE TIMOK ERUPTIVE AREA. 1963, 34p 52refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 51-78)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 67-78.

Evteev, S. A.
GEOLOGICAL ACTIVITY OF THE EAST ANTARCTICA ICE SHEET (Geologicheskaya Deyatel'nost' Lednikovogo Pokrova Vostochnoi Antarktidy). 3 Feb 64, 11p AID Rept. T-64-8 (p. 18-28).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 18-28)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 61-68.
Another trans. is available from OTS $1.75 in TT-63-41003, JPRS-21593 (p. 52-60)

Fotyady, E. E. and Karataev, G. I.
STRUCTURE OF THE EARTH'S CRUST IN SIBERIA AND THE FAR EAST ACCORDING TO DATA OF REGIONAL GEOPHYSICAL INVESTIGATIONS. 7 Feb 64, 26p 50refs JPRS: 23133.
Order from OTS $0.75 TT-64-21518

Trans. of Geologiya i Geofizika (USSR) 1963, no. 10, p. 5-19. (Abstract available)

Grubic, Aleksandar.
THE RESULTS FROM SOME RECENT STUDIES OF THE SPECIES HIPPURITES VREDENBURGI KÜHN 1932 OF IRAN AND YUGOSLAVIA. 1963, 16p 10refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 107-122)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 121-135.

Ilic, Milan, Manojlovic, Dragoljub, and Atanaskovic, Radoslav.
GEOLOGICAL CHARACTERISTICS AND PRACTICAL SIGNIFICANCE OF THE DEPOSITS OF CEMENT MARLS AT RALJA. 1963, 21p 11refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 5-24)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 7-27.

Ilic, Milan and Manojlovic, Dragoljub.
THE VEIN MAGNESITE DEPOSIT OF BREZAK NEAR PRANJANI. 1963, 15p 10refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 25-38)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 31-44.

Izotov, A. A., Bulanzhe, Yu. D., Magnitskii, V. A., Meshcheryakov, Yu. A., and Blagovolin, N. S.
THE ESTABLISHMENT OF A CRIMEAN GEOPHYSICAL POLYGON FOR THE STUDY OF THE ABYSSAL STRUCTURE OF THE EARTH'S CRUST AND RECENT TECTONIC MOVEMENTS (O Sozdanii Krymskogo Geofizicheskogo Poligona dlya Izucheniya Glubinnogo Stroeniya Zemnoi Kory i Sovremennykh Tektonicheskikh Dvizhenii). 3 Feb 64, 7p AID Rept. T-64-8 (p. 44-50).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 44-50)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 81-84.
Another trans. is available from OTS $1.00 in TT-63-41187, JPRS-21967 (p. 9-14)

Kanareikin, B. A.
EXPERIENCE IN APPLICATION OF HIGH-FREQUENCY SEISMIC SURVEYS (REFLECTED WAVE METHOD) FOR INVESTIGATIONS OF WEDGE-OUT ZONES IN THE SOUTHERN PART OF THE WEST SIBERIAN LOWLANDS. 7 Feb 64, 13p 4refs JPRS: 23134 (p. 35-47).
Order from OTS $1.25 in TT-64-21519 (p. 35-47)

Trans. of Geologiya i Geofizika (USSR) 1963, no. 9, p. 93-101.

[Kitaenko, L. G.]
AEROMAGNETIC SURVEY IN GEOLOGY. 10 Feb 64, 174p 56refs JPRS: 23152.
Order from OTS $3.00 TT-64-21524

Trans. of mono. Aeromagnitnaya S"emka v Geologii, Moscow, 1963, 123p.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Markovic, Branislav.
ON THE DISCOVERY OF FAUNA IN THE DIABASE-HORNSTONE FORMATION BETWEEN RUDO AND UVAC (EASTERN BOSNIA). 1963, 5p 12refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 289-294)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 273-276.

Matrosov, P. S. and Sinitsyn, V. M.
A NEW LANDMARK IN THE GEOLOGICAL STUDY OF MONGOLIA. 26 Feb 64, 3p JPRS: 23389.
Order from OTS $0.50 TT-64-21647

Trans. of #Akademiya Nauk SSSR. Izvestiya. Seriya Geologicheskaya, 1964 [v. 29] no. 1, p. 110-111.

Mikhelev, I. P.
ON THE POSSIBILITY OF MAPPING PALEOZOIC DEPOSITS IN THE RUDNYI ALTAI BY A SEISMIC METHOD. 7 Feb 64, 13p 5refs JPRS: 23134 (p. 22-34).
Order from OTS $1.25 in TT-64-21519 (p. 22-34)

Trans. of Geologiya i Geofizika (USSR) 1963, no. 9 p. 83-92. (Abstract available)

Mitrovic-Petrovic, J. and Urosevic-Dacic, D.
INCRUSTINGS OF BRYOZOAN COLONIES ON THE SHELLS OF MIDDLE EOCENE ECHINOIDS. 1963, 29p 21refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 259-288)

Trans of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A; Geologija (Yugoslavia) 1962, v. 20, p. 249-259.

Mojsilovic, Srbobran and Avramovic, Vera.
THE PETROLOGICAL CHARACTERISTICS AND THE STRATIGRAPHIC AND TECTONIC POSITION OF THE MAGMATIC ROCKS OF THE PROKLETIJE MOUNTAINS. 1963, 25p 11refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 321-346)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 297-313.

Novakovic, Rodoljub.
GEOCHEMICAL INVESTIGATIONS IN THE AREA OF GVOZDENIK--THE ANDROVACKA REKA, COMBINING SPECTROCHEMICAL AND COLORIMETRIC METHOD OF ANALYSES. 1963, 12p 8refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 347-355)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 317-335.

Palinkasevic, Smiljka, Dedic, Ljubomir, and Andelkovic, Jovan.
THE TECTONIC TROUGH OF THE CRNOLJEVA REKA FLYSCH. 1963, 8p 8refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 313-320)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 289-294.

Pantic, Nikola.
A CONTRIBUTION TO THE DEVONIAN FLORA OF EASTERN SERBIA, I. 1963, 3p 6refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 127-130)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 149-151.

Pasic, Milena.
DINARIC (WESTERN SERBIAN) ORBITOLINAS OF THE UPPER CRETACEOUS. 1963, 57p 33refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 131-188)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 153-177. (Abstract available)

Puzyrev, N. N.
A THEORY OF INTERPRETING ISOLATED SEISMIC OBSERVATIONS. 7 Feb 64, 21p 7refs JPRS: 23134 (p. 1-21).
Order from OTS $1.25 in TT-64-21519 (p. 1-21)

Trans. of Geologiya i Geofizika (USSR) 1963, no. 9, p. 66-82. (Abstract available)

Radoicic, Rajka.
ON A NEW UPPER JURASSIC DASYCLADACEA PIANELLA GRUDII NOV. GEN., NOV. SPEC. 1963, 11p 4refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 189-200)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 201-205.

Radoicic, Rajka.
THE MICROFAUNA OF THE UPPER LIASSIC LIMESTONES OF NORTHERN MONTENEGRO, STARA RASKA AND ROZAJ. 1963, 23p 23refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 201-224)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 211-216.

Semenov, A. S.
THE WORK OF THE DEPARTMENT OF GEOPHYSICAL METHODS OF EXPLORATION. 18 Feb 64, 11p JPRS: 23265.
Order from OTS $0.50 TT-64-21579

Trans. of Leningrad U. Vestnik (USSR) 1963 [v. 18] no. 24. [Seriya Geologii i Geografii no. 4, p. 147-153.

Setunskaya, L. E. and Fin'ko, E. A.
INTERDEPARTMENTAL CONFERENCE ON THE PROBLEM OF RECENT TECTONIC MOVEMENTS OF THE EARTH'S CRUST (NO. 3) [LEIPZIG, MAY 62] (Tret'e Mezhduvedonstvennoe Soveschanie po Probleme Sovremennykh Tektonicheskikh Dvizhenii Zmnoi Kory). 3 Feb 64, 8p AID Rept. T-64-8 (p. 51-58).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 51-58)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 103-108.

Spasov, Hristo and Veselinovic, Miroslav.
CHONODONT FAUNA FROM THE UPPER LUDLOWIAN LIMESTONES ON SUVA PLANINA (EASTERN SERBIA, YUGOSLAVIA). 1963, 19p 16refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 239-258)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 233-244.

Tarkhov, A. G., ed.
GEOPHYSICS HANDBOOK, VOL. 3. ELECTRICAL EXPLORATION: CHAPS. 4, 14, 18 [AND] TABLE 47. 12 Feb 64, 71p JPRS: 23207. N64-15412
Order from OTS $2.00 TT-64-21549

Trans. of mono. Spravochnik Geofizika, v. 3, Elektrorazvedka, Moscow, 1963, p. 75-93, 311-329, 345-348, 381-398. (Abstract available)

Veselinovic, Dobra.
TRICHITES RAVANICUS N. SP. FROM THE TITHONIAN OF THE "RAVANICA LIMESTONE" ("RAVANICKI KRECNJAK") -- WESTERN LIMESTONE BELT (EASTERN SERBIA). 1963, 4p 8refs PL-480 Int.
Order from OTS $3.50 in TT-62-11756/1 (p. 123-126)

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje [N. R. Srbije]. Vesnik. [Serija] A: Geologija (Yugoslavia) 1962, v. 20, p. 145-146. (Abstract available)

Yakovlev, V. N.
DISTRIBUTION OF FRESHWATER FISH OF THE HOLARCTIC NEOGENE -- AND ZOOGEOGRAPHIC REGIONALIZATION. 3 Jan 64, 17p 33refs JPRS: 22603 (p. 1-17).
Order from OTS $1.25 in TT-64-21210 (p. 1-17)

Trans. of Voprosy Ikhtiologii (USSR) 1961, v. 1, no. 2(19) p. 209-220. (Abstract available)

Mineralogy

Pavlyuchenko, M.M. and Akulovich, V.M.
MICROÉLÉMENTS (B, Mn, Sr, Zn.) DANS LES SELS DU GISEMENT DE STAROBINSK ET LEUR DOSAGE SPECTROSCOPIQUE (Mikroelementy (B, Mn, Sr, Zn) v Solyakh Starobinskogo Mestorozhdeniya i Ikh Kolichestvennoe Spektral'noe Opredelenie) (Microelements (B, Mn, Sr, Zn) in Salts of Ancient Geological Strata and their Quantitative Spectral Determination). 18p. (foreign text included) 9refs. CNRS-VII 69.
Order from OTS, ETC or CNRS $2.60 TT-62-28774

Trans. in French of Akademiya Nauk Belorusskoi SSR. Institut Khimii. Sbornik Nauchnykh Rabot, 1958, no.6, p.102-114.

Ustiev, E. K.
PROBLEMS OF MODERN PETROGRAPHY. 2 Jan 64, 6p JPRS-22584 (p. 32-37).
Order from OTS $1.25 in TT-64-21193 (p. 32-37)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 84-87.

Oceanography

RECENT OCEANOGRAPHIC EXPEDITIONS.
18 Feb 64, 56p 35refs JPRS: 23281.
Order from OTS $1.50 TT-64-21588

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 495-499, 504-505, 523-526, 537-538, 540-558.

Separate entries have been prepared for the individual articles.

Adrov, M. M.
HYDROLOGIC INVESTIGATIONS NEAR WESTERN GREENLAND. 1963, 16p 26refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 136-151)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p]. (Abstract available)

Bezrukov, P. L.
STUDIES IN THE INDIAN OCEAN DURING THE 35TH VOYAGE OF THE RESEARCH SHIP VITYAZ'.
18 Feb 64, 18p 8refs JPRS: 23281 (p. 23-40).
Order from OTS $1.50 in TT-64-21588 (p. 23-40)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 540-549.

Blinova, E. I.
SUPPLIES OF LAMINARIAN SEAWEED AROUND KIL'DIN ISLAND. 30 Jan 64, 5p JPRS: 22982 (p. 15-19).
Order from OTS $0.75 in TT-64-21431 (p. 15-19)

Trans. of [Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyaistva i Okeanografii]. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 4[22] p. 36-38.

Buzdalin, Yu. I. and Elizarov, A. A.
HYDROLOGICAL CONDITIONS IN THE NEWFOUNDLAND BANKS AND LABRADOR AREAS IN 1960. 1963, 17p 8refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 152-168)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Elizarov, A. A.
ON THE VERTICAL STABILITY OF WATER LAYERS ON THE FISHING GROUNDS OF THE NEWFOUNDLAND BANKS. 1963, 16p 9refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 169-184)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Farengol'ts, I. V.
RESEARCH IN THE INDIAN OCEAN. 26 Feb 64, 1p 2refs JPRS: 23391.
Order from OTS $0.50 TT-64-21649

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 5, p. 940.

Fedosov, M. V.
INVESTIGATION OF FORMATION CONDITIONS OF PRIMARY PRODUCTIVITY IN THE NORTHWEST ATLANTIC. 1963, 11p 14refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 125-135)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Kazanskii, M. M.
THE GULFSTREAM. 25 Feb 64, 6p JPRS: 23363.
Order from OTS $0.50 TT-64-21633

Trans. of Priroda (USSR) 1963 [v. 52] no. 11, p. 102-104. (Abstract available)

Klimenkov, A. I. and Pakhorukov, V. I.
HYDROLOGICAL OBSERVATIONS IN THE NORTHWEST ATLANTIC IN SPRING-SUMMER 1960. 1963, 11p 7refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 185-195)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p]. (Abstract available)

Kuliev, I. P. and Ibragimov, A. M.
SEA SWELL AND ITS EFFECT ON INDUSTRIAL STRUCTURES IN THE WATER. 2 Jan 64, 3p JPRS: 22584 (p. 38-39a).
Order from OTS $1.25 in TT-64-21193 (p. 38-39a)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 3 no. 9, p. 90-92.

Litvin, V. M. and Rvachev, V. D.
THE BOTTOM TOPOGRAPHY AND SEDIMENTS OF THE LABRADOR AND NEWFOUNDLAND FISHING AREAS. 1963, 13p 12refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 100-112)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Marti, Yu. Yu.
SOME SIMILARITIES AND DIFFERENCES IN CONDITIONS UNDER WHICH BOREAL FISH SPECIES EXIST IN NORTHEAST AND NORTHWEST ATLANTIC. 1963, 13p 17refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 55-67)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p]. (Abstract available)

Movchan, O. A.
QUANTITATIVE DEVELOPMENT OF THE PHYTOPLANKTON IN THE AREAS OF THE NEWFOUNDLAND AND FLEMISH CAP BANKS AND IN ADJACENT WATERS. 1963, 9p 9refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 205-213)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Mukhina, V. V.
THE BIOSTRATIGRAPHIC SEPARATION OF BOTTOM SEDIMENTS AT STATION NO. 3802 IN THE EQUATORIAL PACIFIC. 26 Feb 64, 11p 6refs JPRS: 23403.
Order from OTS $0.50 TT-64-21657

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 5, p. 861-869. (Abstract available)

Nesis, K. I.
SOVIET INVESTIGATIONS OF THE BENTHOS OF THE NEWFOUNDLAND-LABRADOR FISHING AREA. 1963, 7p PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 214-220)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Nesis, K. N.
PACIFIC ELEMENTS IN NORTHWEST ATLANTIC BENTHOS. 1963, 18p 80refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 82-99)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Ochavkovskii, Yu. E.
THE FOURTH MEDITERRANEAN EXPEDITION ABOARD THE RESEARCH SHIP AKADEMIK S. VAVILOV. 18 Feb 64, 8p JPRS: 23281 (p. 41-48).
Order from OTS $1.50 in TT-64-21588 (p. 41-48)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 550-554.

Polushkin, V. A.
ON THE MOST EFFICIENT WAY OF USING SCIENTIFIC INFORMATION MATERIALS IN THE FIELD OF OCEANOGRAPHY. 18 Feb 64, 5p JPRS: 23281 (p. 18-22).
Order from OTS $1.50 in TT-64-21588 (p. 18-22)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 537-538.

Ponomarenko, L. S. and Istoshina, M. A.
HYDROCHEMICAL STUDIES IN THE NEWFOUNDLAND AREA. 1963, 12p 7refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 113-124)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Rass, T. S.
POSSIBILITIES OF UTILIZING FISHING RESOURCES OF THE WORLD OCEAN. 18 Feb 64, 7p 3refs JPRS: 23281 (p. 1-7).
Order from OTS $1.50 in TT-64-21588 (p. 1-7)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 495-499.

Savilov, A. I.
METHODS OF PLEUSTON COLLECTION USED ON EXPEDITIONS OF THE RESEARCH VESSEL VITYAZ'. 18 Feb 64, 6p 13refs JPRS: 23281 (p. 12-17).
Order from OTS $1.50 in TT-64-21588 (p. 12-17)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 523-526.

Semenova, T. N.
ZOOPLANKTON IN THE AREA OF THE NEWFOUNDLAND BANKS IN SPRING 1960. 1963, 9p 18refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 196-204)

Trans. from mono. Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Serebryakov, V. P.
STUDIES OF ICHTHYOPLANKTON IN THE AREAS OF NEWFOUNDLAND AND LABRADOR. 1963, 7p 15refs PL-480 Int.
Order from OTS $3.75 in TT-63-11102 (p. 221-227)

Trans. from mono. Sovetskie Rybokhozyaistvennyė Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962 [379p].

Solov'ev, B. S.
SUMMARY OF THE WORK OF THE SECOND INDIAN OCEAN EXPEDITION OF THE AZOV AND BLACK SEA RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. 26 Feb 64, 4p JPRS: 23394.
Order from OTS $0.50 TT-64-21652

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 5, p. 936-938.

Zakutskii, V. P.
ZOOBENTHOS RESOURCES IN THE BLACK SEA. 18 Feb 64, 4p 11refs JPRS: 23281 (p. 8-11).
Order from OTS $1.50 in TT-64-21588 (p. 8-11)

Trans. of Okeanologiya (USSR) 1963, v. 3, no. 3, p. 504-505.

ENGINEERING

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 12. 29 Jan 64, 3p JPRS: 22962.
Order from OTS $0.50 TT-64-21423

Trans. of selected abstracts from Referativnyi Zhurnal. Gornoe Delo (USSR) 1963, nos. 6 and 8.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS, ENGINEERING AND SPACE RESEARCH. 16 Jan 64, 4p JPRS: 22756.
Order from OTS $0.50 TT-64-21303

Abstract trans. of Telecommunicatii (Rumania) 1963, v. 7, no. 5, p. 193-226, 231-235.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS, ENGINEERING AND SPACE RESEARCH NO. 3. 24 Jan 64, 6p JPRS: 22882.
Order from OTS $0.50 TT-64-21377

Consists of abstracts of articles from selected scientific and technical journals of Hungary and Yugoslavia.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONIC, ENGINEERING AND SPACE RESEARCH NO. 4. 27 Jan 64, 4p JPRS: 22918.
Order from OTS $0.50 TT-64-21400

Abstract trans. of Jugoslovensko Pronalazastvo, 1963, v. 4, no. 46, p. 1-13; no. 47, p. 1-4, 8-12, 20-24.

USSR INDUSTRIAL DEVELOPMENT: SOVIET POWER MACHINERY NO. 24. 20 Feb 64, 15p JPRS: 23315.
Order from OTS $0.50 TT-64-21609

Consists of 8 selected articles and 12 news briefs from Dec 63-Jan 64 issues of Russian periodicals.

Bogdanovich, M. M. and Il'in, P. A.
CONCERNING THE CREATION OF A GYROSCOPIC LATITUDE COMPASS. 30 Dec 63, 6p 4refs JPRS: 22479 (p. 85-90)
Order from OTS $3.00 in TT-64-21137 (p. 85-90)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 74-77.

Khovanskii, Yu. M., Severov, P. A., and Slepkov, V. S.
DETERMINATION OF FORCED OSCILLATIONS IN NONLINEAR STABILIZING SYSTEMS. 30 Dec 63, 13p 5refs JPRS: 22479 (p. 72-84)
Order from OTS $3.00 in TT-64-21137 (p. 72-84)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 63-73. (Abstract available)

Novoselov, V. S.
MOTION OF RUBBER-CUSHIONED INSTRUMENT MECHANISM DURING IMPACT TESTS. 30 Dec 63, 10p 2refs JPRS: 22479 (p. 125-134)
Order from OTS $3.00 in TT-64-21137 (p. 125-134)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 107-114. (Abstract available)

Odintsov, A. A.
GYROSCOPIC TACHOMETERS AND TACHOACCELEROMETERS WITH PRESSURE PICKUPS. 30 Dec 63, 10p JPRS: 22479 (p. 62-71)
Order from OTS $3.00 in TT-64-21137 (p. 62-71)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 54-62. (Abstract available)

Otvagin, E. F.
THE SCIENTIFIC-TECHNICAL INTERCOLLEGIATE CONFERENCE ON PROBLEMS OF MODERN GYROSCOPY (NO. 4) [LENINGRAD, NOV 62]. 30 Dec 63, 4p JPRS: 22479 (p. 187-190)
Order from OTS $3.00 in TT-64-21137 (p. 187-190)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 156-158.

Rauk, Jerzy.
FORMATION OF CHANNEL IN UNDERGROUND GASIFICATION OF COAL [AND] CONTACTING OF ELECTRODES WITH THE COAL SEAM IN UNDERGROUND ELECTROLINKAGE OF COAL (Kaztaltowanie sie Kanalu Ogniowego w Podziemnym Zgazowaniu Wegla Kamiennego [i] Kontaktowanie Elektrod z Pokladem w Podziemnej Elektrokarbonizacji Wegla)
J. Bachrach, tr. 1963, 42p 5refs PL-480 Int.
Order from OTS $0.50 TT-61-11349

Trans. of Glowny Instytut Gornictwa. [Kommunikat] (Poland) 1959, no. 241, p. 1-15 and 1960, no. 244, p. 1-8.

Aeronautical Engineering

AVIATION ENGINEERING, 1963 [VOL. 6] NO. 2
9 Jan 64, 177p 95refs JPRS: 22668.
Order from OTS $3.00 TT-64-21246

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1962 [v. 6] no. 2, p. 3-141.

Separate entries have been prepared for the individual articles.

Beretta, V. and Leygue, E.
[JET DEFLECTORS OR THRUST INVERTERS]. II. THRUST INVERTORS OTHER THAN THE SNECMA. [1963] 6p (figs omitted) 5refs
Order from SLA $1.10 TT-64-10504

Trans. of Docaero (France) 1954, no. 29, p. 30-34.

Eujen, E.
MEASUREMENT OF DYNAMIC PRESSURE AND ANGLE OF ATTACK IN THE VICINITY OF THE WING TIPS (Flugstaudruck und Anstellwinkelmessung im Gebiet der Tragflügelenden). [1963] [14p] 3refs
Order from SLA $1.60 TT-64-10405

Trans. of [Zentrale für Technisch-Wissenschaftliches Berichtswesen über Luftfahrtforschung]. Technische Berichte (Germany) 1942, v. 9, no. 4, p. 101-105.

Ioan, Constantin Sabin,
AIR TRANSPORT AT SPEEDS OF 2,330 KILOMETERS PER HOUR IN 1973. 30 Jan 64, 8p JPRS: 22986.
Order from OTS $0.50 TT-64-21434

Trans. of Stiinta si Tehnica (Rumania) 1963, [v. 15] no. 12, p. 26-29.

Ivanov, B.
A PAIR OF AIRPLANES: A 'HARD LITTLE NUT". 8 Jan 64 [6p] FTD-TT-63-1130.
Order from OTS, SLA, or ETC $1.10 TT-64-13698

Unedited rough draft trans. from Krasnaya Zvezda (USSR) 1962, no. 167, 18 Jul.

Ivlentiev, V. S. and Filippov, G. V.
A STUDY OF THE OVERFLOWING OF GAS IN CONNECTING VESSELS. 9 Jan 64, 4p 6refs JPRS: 22668 (p. 7-10).
Order from OTS $3.00 in TT-64-21246 (p. 7-10)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 8-10.

Marchal, R., Bertin, J., Beretta, V., and Leygue, E.
JET DEFLECTORS OR THRUST INVERTERS. I. S.N.E.C.M.A. THRUST INVERTER (1). [1963] 10p (figs omitted)
Order from SLA $1.10 TT-64-10506

Trans. of Docaero (France) 1954, no. 29, p. 17-22.

Marchal, R., Bertin, J., Beretta, V., and Leygue, E.
[JET DEFLECTORS OR THRUST INVERTERS. I. S.N.E.C.M.A. THRUST INVERTER (2)]. [1963] 6p (figs omitted)
Order from SLA $1.10 TT-64-10505

Trans. of Docaero (France) 1954, no. 29, p. 23-29.

Savosin, S.
SHOULD NOT ONE TURN THE SHIELD INTO A SWORD? 2 Jan 64 [9p] FTD-TT-63-1129.
Order from OTS, SLA, or ETC $1.10 TT-64-13702

Unedited rough draft trans. from Krasnaya Zvezda (USSR) 1962, no. 116, 19 May.

Chemical Engineering

NEW HIGH-SPEED BOX FILTER PRESS. 25 Feb 64, 1p JPRS: 23379 (p. 1).
Order from OTS $0.50 in TT-64-21640 (p. 1)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 51[124] p. 38. (Abstract available)

NEW HIGH-SPEED COMPRESSOR. 25 Feb 64, 1p JPRS: 23379 (p. 2)
Order from OTS $0.50 in TT-64-21640 (p. 2)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 51[124] p. 38. (Abstract available)

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 146. 19 Feb 64, 104p JPRS: 23300.
Order from OTS $2.50 TT-64-21602

Consists of 28 selected articles from Nov 63 issues of Russian periodicals.

Separate entries have been prepared for 5 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 147. 20 Feb 64, 65p JPRS: 23312.
Order from OTS $1.75 TT-64-21608

Consists of 12 selected articles and 16 news briefs from Nov-Dec 63 issues of Russian periodicals.

Separate entries have been prepared for 2 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL INDUSTRY NO. 148. 24 Feb 64, 77p JPRS: 23340.
Order from OTS $2.00 TT-64-21621

Consists of 28 selected articles from Nov-Dec 63 issues of Russian journals and newspapers.

Separate entries have been prepared for 2 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL MACHINE BUILDING NO. 40. 20 Jan 64, 11p JPRS: 22811.
Order from OTS $0.50 TT-64-21338

Trans. of 18 articles and newsbriefs from Oct-Dec 63 issues of various Russian language newspapers.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CHEMICAL MACHINE BUILDING NO. 42. 25 Feb 64, 16p JPRS: 23379.
Order from OTS $0.50 TT-64-21640

Consists of 5 articles and 16 news briefs from selected Nov 63-Jan 64 issues of Russian newspapers.

Separate entries have been prepared for 2 articles.

YASINOVKA BYPRODUCT COKE OVEN PLANT AWARDED TITLE OF ENTERPRISE OF COMMUNIST LABOR. 19 Nov 63, 25p JPRS: 21915.
Order from OTS $0.75 in TT-63-41163 (p. 6-7)

Trans. from Trud, Moscow (USSR) 1963, 13 Sep.

Naumenko, P.
USE OF FOOD AS INDUSTRIAL RAW MATERIALS. 20 Feb 64, 6p JPRS: 23312 (p. 1-6).
Order from OTS $1.75 in TT-64-21608 (p. 1-6)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 50[123] p. 5.

Pozin, M.E., Kopylev, B.A. and Tarat, E.A.
ADSORPTION DU BIOXYDE DE CARBONE POUR LES SOLUTIONS MOUSSEUSES DE SOUDE CAUSTIQUE (Pobloshchenii Dvuokisi Ugleroda Rastvorami Edkogo Natra pri Pennom Rezhnan) (Absorption of Carbon Dioxide by Caustic Soda Solutions under Foam Conditions). 18p. (foreign text included) 14refs. CNRS-VI 513.
Order from OTS, ETC or CNRS $1.60 TT-62-28761

Trans. in French of *Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.5, p.1011-1015.

Pozin, M.E., Kopylev, B.A. and Tarat, E.A.
INFLUENCE DE LA HAUTEUR DE LA COUCHE DE MOUSSE SUR UNE GRILLE SUR L'ABSORPTION DE L'ANHYDRIQUE CARBONIQUE DANS UNE SOLUTION ALCALINE (Vliyanie Vysotysloyaieny Nasitchatoi Tarelke na Absorptsiyu Dvuokisi Utleroda Rastvorom Shchelochi) (Effect of the Height of the Foam Layer on a Sieve Plate on Absorption of Carbon Dioxide by Alkali Solution). 17p. (foreign text included) 9refs. CNRS-VI 517.
Order from OTS, ETC or CNRS $1.60 TT-62-28760

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1959, v.32, no.5, p.1004-1010
Another trans. is available in English from OTS $4.00 in TT-61-21982, Apr 61 [309p.]

Rodionov, A.I., Koval', Zh.A. and Bozhov, I.S.
ESSAIS DE PASSOIRES DE BARBOTAGE À OUVERTURES DE DEUX DIAMÈTRES (Sieve Plates with Holes of Two Different Diameters). 15p. (foreign text included, but illegible) 8refs. CNRS-VI 799.
Order from OTS, ETC or CNRS $0.80 TT-62-28590

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1962, v.35, no.2, p.357-361.

Sergienko, S.
DEVELOPMENT OF CHEMICAL INDUSTRY IN SOVIET CENTRAL ASIA. 19 Feb 64, 5p JPRS: 23300 (p. 39-43).
Order from OTS $2.50 in TT-64-21602 (p. 39-43)

Trans. from Izvestiya (USSR) 1963, 14 Nov, p. 3.

Struev, A., Pushkov, I., and Kunel'skii, L.
ASPECTS OF THE DEVELOPMENT OF THE CHEMICAL INDUSTRY. 19 Feb 64, 27p JPRS: 23300 (p. 78-104).
Order from OTS $2.50 in TT-64-21602 (p. 78-104)

Trans. of 3 articles from Ekonomicheskaya Gazeta (USSR) 1963, no. 47[120] p. 5-9.

Yudina, N.
A NEW METHOD FOR THE CHEMICAL PROCESSING OF SYENITE IN ARMENIA. 19 Feb 64, 2p JPRS: 23300 (p. 3-4).
Order from OTS $2.50 in TT-64-21602 (p. 3-4)

Trans. from Pravda, Leningrad (USSR) 1963, 16 Nov, p. 1.

Civil Engineering

Hoffman, Ernst.
UNDERLAYER OF ROOFING PAPERBOARD STRIPS FOR FLAT TILE ROOFING, tr. by J. S. 17 Jul 63, 2p (figs omitted).
Order from OTS, SLA or ETC $1.10 TT-63-23568

Trans. of German patent 245,195, cl. 37c, gr. 3, pat. from 10 Aug 11, pub. 28 Mar 12.

Kupczok, A.
EMPLOI DE TUYAUX EN AMIANTE-CIMENT POUR LA DISTRIBUTION DU GAZ A BASSE PRESSION DANS LES VILLES (Application of Asbestos-Cement Pipes for Distribution of Low Pressure Gas in Towns) 10p. CNRS-XXV 556.
Order from OTS, ETC or CNRS $1.10 TT-62-26389

Trans. in French of Gaz, Woda i Technika Sanitarna (Poland) 1960, v.34, no.8, p.295-297.

Makhimov, S.
CE QU'ENTREPREND "GLAVMOSJELEZOBETON" (What "Glavmosjelezobeton'Undertakes). 12p. CNRS-XXV 371.
Order from OTS, ETC or CNRS $0.80 TT-62-26736

Trans. in French of Stroitel'stvo i Arkhitektura Moskvy (USSR) 1958, no. 5, p. 8-10.

Electrical and Electronic Engineering

ELECTRIC EQUIPMENT NEWS. 20 Jan 64, 6p JPRS: 22804 (p. 34-39).
Order from OTS $2.00 in TT-64-21336 (p. 34-39)

Trans. of Energetik (USSR) 1963 [v. 11] no. 10, p. 46-47.

IMPROVEMENTS IN TELEVISION RECEIVER SYSTEMS
F.H.B., tr. 16 Oct 63, 14p (figs omitted)
Order from OTS, SLA, or ETC $1.60 TT-63-24408

Trans. of French patent 817,537, gr. 12, cl. 4, by Electric and Musical industries Limited of England, appl 10 Feb 37, granted 24 May 37, pub. 4 Sep 37 (Priority claimed: Great Britain, 24 Feb 36, 26 Nov 36, 2 Dec 36).

PRODUCTION OF THE "UNT-35" TELEVISION SET. 11 Feb 64, 5p JPRS: 23186 (p. 6-10).
Order from OTS $0.75 in TT-64-21539 (p. 6-10)

Trans. of Ogonek (USSR) 1963 [v. 41] no. 50, p. 6-7.

URGENT PROBLEMS OF MECHANIZING ACCOUNTING AND STATISTICS. 11 Feb 64, 2p JPRS: 23186 (p. 14-15).
Order from OTS $0.75 in TT-64-21539 (p. 14-15)

Trans. from Ekonomicheskaya Gazeta (USSR) 1964, no. 1(126) p. 46.

USSR INDUSTRIAL DEVELOPMENT: SOVIET ELECTRICAL EQUIPMENT NO. 84. 20 Jan 64, 68p JPRS: 22804.
Order from OTS $2.00 TT-64-21336

Consists of 39 articles from 1962-63 issues of Russian books, journals, and newspapers.

Separate entries have been prepared for 5 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET ELECTRICAL EQUIPMENT NO. 86. 5 Feb 64, 54p JPRS: 23087.
Order from OTS $1.50 TT-64-21488

Trans. of 39 selected articles from Oct-Nov 63 issues of various Soviet Journals and newspapers.

Separate entries have been prepared for 2 articles.

Aksel'rod, Z. M.
INVESTIGATING THE DYNAMICS OF SMALL ELECTRIC CLOCKS. 30 Dec 63, 14p 3refs JPRS: 22479 (p. 91-104)
Order from OTS $3.00 in TT-64-21137 (p. 91-104)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 78-88. (Abstract available)

Apel, K.
A SYNTHESIS OF SCHMITT TRIGGER AND MULTIVIBRATOR. [1963] 8p (figs formulae omitted)
Order from SLA $1.10 TT-64-10407

Trans. of Elektronische Rundschau (West Germany) 1962, v. 16, no. 1, p. 18-20. (Abstract available)

Beretovskii, G. N.
INVESTIGATION OF ONE MODEL OF A NEURISTOR. 3 Feb 64, 14p 3refs JPRS: 23046.
Order from OTS $0.50 TT-64-21469

Trans. of #Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 11, p. 1862-1871.

Buinyachenko, G. P.
MULTI-RANGE POTENTIOMETER BRIDGE. 30 Dec 63, 3p JPRS: 22479 (p. 184-186)
Order from OTS $3.00 in TT-64-21137 (p. 184-186)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 154-155.

Dul'nev, G. N. and Semyashkin, E. M.
HEAT CONDITIONS IN RADIO AND ELECTRONIC PERFORATED APPARATUS. 30 Dec 63, 10p 4refs JPRS: 22479 (p. 154-163)
Order from OTS $3.00 in TT-64-21137 (p. 154-163)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 129-136. (Abstract available)

Farkhulina, A. I.
APN TRI-PHASE ELECTRIC MOTORS. 5 Feb 64, 2p JPRS: 23087 (p. 27-28).
Order from OTS $1.50 in TT-64-21488 (p. 27-28)

Trans. of Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR) 1963, no. 11, p. 59.

Glöser, Otto.
CLAMP FOR UNITING PARALLEL CABLES OR WIRES, tr. by P. C. C. and J. S. 19 Jul 63, 3p (figs omitted).
Order from OTS, SLA or ETC $1.10 TT-63-23572

Trans. of German patent 627,043, cl. 47d, gr. 12, pat. from 29 Apr 34, granted 20 Feb 36, pub. 7 Mar 36

Henker, Heinz.
CIRCUIT ARRANGEMENT FOR REDUCTION OF TEMPERATURE-INDUCED FLUCTUATIONS OF AN ELECTRICAL MAGNITUDE
J. R.-P., tr. 11 Oct 63, 7p (figs omitted) 4refs
Order from OTS, SLA, or ETC $1.10 TT-63-24419

Trans. of German patent no. 970,196, cl. 21c, gr. 67/70, Internat. cl. G)5f, by Simens & Halske AG, pat. from 31 Aug 50, appl. announced 6 Dec 51, grant announced 14 Aug 58, pub. 28 Aug 58.

Kirpichnikov, L. and Kharif, M.
DESIGNS FOR ELECTRICAL NETWORKS ALONG PORT BERTHS (Konstruktsii Elektricheskikh Setei na Prichalakh Porta)
H. D. and B. M. K., trs. 6 Jan 64, 5p I-3636.
Order from OTS $0.50 TT-64-11558

Trans. of Morskoi Flot (USSR) 1963 [v. 23] no. 3, p. 17-19.

Kuznetsov, Yu. V.
DEVICE FOR MEASURING THE PHASE VELOCITY OF SURFACE WAVES. 30 Dec 63, 7p 3refs JPRS: 22479 (p. 1-7)
Order from OTS $3.00 in TT-64-21137 (p. 1-7)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 3-8. (Abstract available)

Nikolaev, A.
PROSPECTS FOR THE USE OF THE COLD CATHODE. 11 Feb 64, 5p JPRS: 23186 (p. 1-5).
Order from OTS $0.75 in TT-64-21539 (p. 1-5)

Trans. from Ekonomicheskaya Gazeta (USSR) 1964, no. 1(126) p. 13.

Novakovic, M.
INSTRUMENT FOR NULL METHOD CURRENT MEASUREMENT. 1963, 3p PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 233-235)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 233-235. (Abstract available)

Revazyan, G.
NEW PRODUCTS AND MATERIALS: ELECTRIC EQUIPMENT. 20 Jan 64, 3p JPRS: 22804 (p. 40-42)
Order from OTS $2.00 in TT-64-21336 (p. 40-42)

Trans. of Promyshlennost' Armenii (USSR) 1963 [v. 6] no. 9, p. 44-46.

Schmidt, K. and others.
ENAMELLED WIRES WITH INSULATION ON AN IMIDE AND ESTER-IMIDE BASIS. [1964]
Order from TTIS $33.00 TTIS NS 170

Trans. of [ETZ] Elektrotechn[ische] Z[eitschrift. Ausgabe] B. [der Elektrotechniker] (West Germany) 1963, v. 15, p. 603-607.

Shashkov, A. G.
DESIGN OF THERMOANEMOMETRIC THERMISTOR CIRCUITS. 31 Jan 64, 11p 12refs JPRS: 23006 (p. 19-2
Order from OTS $3.00 in TT-64-21444 (p. 19-29)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 196
v. 6, no. 9 [p. 18-26] (Abstract available)

Sirazitdinov, B. G.
CONCERNING THE EFFECT OF MINOR PARAMETERS ON THE STABILITY OF TYPICAL AUTOMATIC CONTROL SYSTEMS 1 (INSIDE CIRCUIT). 30 Dec 63, 13p 4refs JPRS: 22479 (p. 14-31)
Order from OTS $3.00 in TT-64-21137 (p. 14-31)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 14-29) (Abstract available)

Vasil'chenko, I. I.
NEW SERIES OF UAD COMPACT ELECTRIC INDUCTION MOTORS DEVELOPED. 5 Feb 64, 3p JPRS: 23087 (p. 24-26).
Order from OTS $1.50 in TT-64-21488 (p. 24-26)

Trans. of Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR) 1963, no. 11, p. 57-58.

Zhestyanikov, V. M. and Grinberg, L. S.
CONCERNING THE PERFORMANCE OF PHOTOTUBES AT REDUCED VOLTAGE. 30 Dec 63, 6p 1ref JPRS: 22479 (p. 8-13)
Order from OTS $3.00 in TT-64-21137 (p. 8-13)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 9-13. (Abstract available)

Ordnance, Missiles, and Satellite Vehicles

Dobronravov, V.
ON THE WAY TO THE COSMOS. 3 Jan 64 [14p] (fig omitted) FTD-TT-63-975.
Order from OTS, SLA, or ETC $1.60 TT-64-13718

Unedited rough draft trans. of Kryl'ya Rodiny (USSR) 1957 [v. 8] no. 6, p. 20-22.

Galkin, Yu. M.
CALCUL DES USURES ET DU BILAN DE CHARGE DU DISPOSITIF D'INSTALLATION ELECTRIQUE (Calculation of Wear and Charging Balance of the Electric Equipment). 25p. CNRS-X 599.
Order from OTS, ETC or CNRS $2.60 TT-62-28407

Trans. in French of Avtomobil'naya Promyshlennost' (USSR) 1961, v. 27, no. 3, p. 4-10.

Glushko, V. P.
EXTRATERRESTRIAL STATIONS. 29 Jan 64, 4p JPRS: 22972; N64-14254.
Order from OTS $0.50 TT-64-21427

Trans. of Nauka i Tekhnika (Latvian SSR) 1962, no. 40(185) p. 3-4.

Kolchanov, R. A.
SELECTION OF THE PARAMETERS OF A MULTISTAGE ROCKET. 9 Jan 64, 7p 6refs JPRS: 22668 (p. 166-172).
Order from OTS $3.00 in TT-64-21246 (p. 166-172)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 134-138. (Abstract available)

Vcherashnyuk, P. P.
ON THE MOTION OF AN ARTIFICIAL EARTH'S SATELLITE RELATIVE TO THE CENTER OF MASS. [1963] 5p 3refs
Order from OTS, SLA, or ETC $1.10 TT-64-10508

Trans. of Ukr[ainskii] Mate[maticheskii] Zh[urnal] (USSR) 1963, v. 15, no. 3, p. 305-309.

Sanitation and Safety Engineering

U. S. S. R. LITERATURE ON AIR POLLUTION AND RELATED OCCUPATIONAL DISEASES, VOL. 9: A SURVEY, PTS. I-II
B. S. Levine. 1963/64 [232p]
Grant PHS-AP-00176
Order from OTS $3.50 TT-64-11574

Trans. of mono. Predel'no Dopustimye Kontsentratsii Atmosferenykh Zagryaznenii (Limits of Allowable Concentrations of Atmospheric Pollutants) [Moscow] 1962, bk. 6; 1963, bk. 7, by V. A. Ryazanov.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Cherkinskii, S. N. and Loranskii, D. N.
DRAFT REGULATIONS FOR PROTECTION AGAINST SEA POLLUTION. 24 Feb 64, 6p JPRS: 23341.
Order from OTS $0.50 TT-64-21622

Trans. of Gigiena i Sanitariya (USSR) 1963 [v. 28] no. 12, p. 62-65.

Kahnwald, H. and Etterich, O.
DETERMINATION OF THE VOLUME, COMPOSITION AND TEMPERATURE OF THE WASTE GAS AND THE DUST DURING MELTDOWN AND OXIDATION BY OXYGEN LANCING IN A 15-TON ELECTRIC ARC FURNACE. Jan 64, 3200words
Order from HB $9.50 HB-6066

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 17, p. 1067-1070.

Mikula, K.
SEPARATION OF DUST FROM GASES IN A "CIRCULATOR" GAS CLEANER. Jan 64, 4700words
Order from HB $17.60 HB-5043

Trans. of Archiwum Hutnictwa (Poland) 1960, v. 5, no. 4, p. 363-387. (Abstract available)

Volkov, O. M. and Prikhod'ko, L. L.
MAXIMUM PERMISSIBLE ELECTRICAL AND CLIMATIC PARAMETERS FOR CERTAIN RADIO COMPONENTS USED IN ELECTRONIC COMPUTERS: APPENDIX 1 (TABLE). 20 Jan 64, 1p JPRS: 22804 (p. 17).
Order from OTS $2.00 in TT-64-21336 (p. 17)

Trans. of mono. Pozharnaya Profilaktika pri Ekspluatatsii Vychislitel'nykh Mashin (Fire Prevention in Operation of Electronic Computers) Moscow, 1962, p. 50.

Weber, E.
DUST EXTRACTION FROM CUPOLAS WITH SPECIAL REFERENCE TO THE COSTS INVOLVED. Jan 64, 5900words
Order from HB $16.50 HB-5613

Trans. of Giesserei (West Germany) 1962, v. 49, no. 6, p. 136-142.

FOOD, HANDLING, AND PACKAGING EQUIPMENT

Food

PROCESS FOR THE VITAMINIZATION OF FOOD-STUFFS. [1963] 1p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-14488

Trans. of German patent 629,723, appl. 10 Nov 34, pub. 9 May 36, by F. Hoffman-La Roche & Co. Akt.-Ges., Switzerland.

Baranowski, K.
PROCESS FOR THE PRODUCTION OF DRY BAKING YEAST. [1964]
Order from TTIS $5.40 TTIS NS 171

Trans. of Polish patent 46,567, appl. 7 Dec 60, pub. 3 Apr 63.

Kulesza, J. and others.
PROCESS FOR THE STABILISATION OF FLAVOURS USED AS CONDIMENTS FOR MEAT AND MEAT AND FISH PRODUCTS. [1964]
Order from TTIS $5.40 TTIS NS 173

Trans. of Polish patent 46,936, appl. 10 Jan 62, pub. 28 May 63.

Nikolaev, B. A. and Shkadina, S. S.
THE INFLUENCE OF THE GAMMA-IRRADIATION OF WHEAT FLOUR ON ITS QUALITY, ON THE ELASTIC-FLEXIBLE-STICKY PROPERTIES OF GLUTEN PROTEINS, ON DOUGHS, AND ALSO ON THE QUALITY OF THE BREAD tr. by R. A. Ledward. Jun 62 [8p] 1ref AERE Trans 950.
Order from OTS, SLA, or ETC $1.10 TT-63-23402

Trans. of Khlebopekarnaya i Konditerskaya Promyshlennost' (USSR) 1960, v. 4, no. 5, p. 8-10. (Abstract available)
Another trans. is available in French from OTS, SLA, or ETC $1.60 as TT-62-19022, CEA-tr-R1424, 10 Oct 61 [11]p.

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

CUTOFF GATE FOR HYDRAULIC PACKING DUCTS AND THE LIKE J. R.-P., tr. 10 Jan 64, 3p (fig omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13579

Trans. of German patent 426,479, cl 47g, gr. 26, by Apülkraft AG, pat. from 6 Jul 24, pub. 11 Mar 26. (Abstract available)

MACHINE FOR FORMING AND PROFILING MACHINE-PRODUCED SHAPES
F. H. B., tr. 27 Sep 63 7p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24409

Trans. of French patent no. 962,436, gr. 8, cl. 3, by Société Anonyme des Usines Chausson, appl. 13 Dec 44, granted 12 Dec 49, pub. 9 Jun 50.

MODEL ERG 400 17/1.5 1000-80 ROTARY EXCAVATOR 15 Jan 64, 2p JPRS: 22739 (p. 16-17)
Order from OTS $1.00 in TT-64-21295 (p. 16-17)

Trans. of Shakhtnoe Stroitel'stvo (USSR) 1963 [v. 7] no. 11, p. 4.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CONSTRUCTION MACHINERY NO. 49. 15 Jan 64, 29p JPRS: 22739.
Order from OTS $1.00 TT-64-21295

Consists of 9 articles from Oct-Dec 63 issues of Russian journals and newspapers.

Separate entries have been prepared for 2 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET CONSTRUCTION MACHINERY NO. 51. 26 Feb 64, 19p JPRS: 23404.
Order from OTS $0.75 TT-64-21658

Consists of 7 articles from selected Dec 63 issues of Russian journals and newspapers.

Separate entry has been prepared for 1 article.

USSR INDUSTRIAL DEVELOPMENT: SOVIET METAL-WORKING EQUIPMENT NO. 93. 28 Jan 64, 32p JPRS: 22954.
Order from OTS $1.00 TT-64-21418

Trans. of 17 selected articles from Oct-Dec 63 issues of various Soviet publications.
Separate entries have been prepared for 4 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET PRECISION EQUIPMENT NO. 130. 11 Feb 64, 19p JPRS: 23186.
Order from OTS $0.75 TT-64-21539

Trans. of 7 selected articles from Oct 63-Jan 64 issues of various Soviet publications.

Separate entries have been prepared for 4 articles.

Barbou, Gaston.
CENTRIFUGAL PUMP FOR BOTTLE-RINSING MACHINES AND OTHER USES
F. H. B., tr. 15 Jan 64, 4p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13583

Trans. of French patent 415,888, gr. V, cl. 1, appl. 12 May 10, granted 25 Jul 10, pub. 6 Oct 10.

Demidenko, E. I., Ivanov, S. N., and Lapidus, M. Kh.
PITMANLESS HIGH-SPEED AUTOMATIC PRESS.
28 Jan 64, 2p JPRS: 22954 (p. 1-2)
Order from OTS $1.00 in TT-64-21418 (p. 1-2)

Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) 1963 [v. 5] no. 11, p. 27.

Ogoshi and Sada
FORMATION ET DISPARITION DE LA LAME FORMEE AU COURS D'UNE COUPE (Forming and Removing of the Blade Formed by Cutting). 26p. 7refs. CNRS-XVII 278.
Order from OTS, ETC or CNRS $2.60 TT-62-28243

Trans. in French of Unidentified Japanese language article n.d.

Shishlakov, P. G. and Zaitsev, A. N.
STANDARDIZATION AND NORMALIZATION IN SMALL-SERIES MACHINE BUILDING [AND] UNIFICATION AND NORMALIZATION IN TEXTILE AND LIGHT MACHINE BUILDING. USSR Industrial Development: General Information on Soviet Machinery Industries no. 13. 20 Feb 64, 12p 5refs JPRS: 23332.
Order from OTS $0.50 TT-64-21616

Trans. of Standartizatsiya (USSR) 1963 [v. 27] no. 11, p. 3-6, 46-48.

Soldatenkov, V.
NEW DRILLING UNIT: MODEL PVBS-15. 15 Jan 64, 1p JPRS: 22739 (p. 6).
Order from OTS $1.00 in TT-64-21295 (p. 6)

Trans. from Stroitel'naya Gazeta (USSR) 1963, 15 Nov, p. 4.

Vodop'yanov, A. A.
A MECHANISM FOR SPEEDING UP CHANGING OF TOOLS. 28 Jan 64, 3p JPRS: 22954 (p. 21-23)
Order from OTS $1.00 in TT-64-21418 (p. 21-23)

Trans. of Mashinostroitel' (USSR) 1963, no. 11, p. 21.

Zabegalov, G. V. and Tumashov, L. L.
D-543 UNIVERSAL SINGLE-BUCKET LOADER.
26 Feb 64, 7p JPRS: 23404 (p. 13-19).
Order from OTS $0.75 in TT-64-21658 (p. 13-19)

Trans. of Mekhanizatsiya Stroitel'stva (USSR) 1963 [v. 20] no. 12, p. 24-25.

Zhivov, L. I. and Chumakov, B. N.
A NEW METHOD OF MEASURING DEFLECTION ANGLES AND ANGULAR RATES OF ROTATION OF SHAFTS OF PRESS-FORGING MACHINES. 28 Jan 64, 2p JPRS: 22954 (p. 3-4)
Order from OTS $1.00 in TT-64-21418 (p. 3-4)

Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) 1963 [v. 5] no. 11, p. 45.

Znamenskii, O. V.
A TRANSPORTABLE PRESS FOR PRESS-FITTING AND DISMANTLING. 28 Jan 64, 4p JPRS: 22954 (p. 5-8)
Order from OTS $1.00 in TT-64-21418 (p. 5-8)

Trans. of Kuznechno-Shtampovochnoe Proizvodstvo (USSR) 1963 [v. 5] no. 11, p. 45-46.

Engines and Propulsion Systems

Bodunov, M. N.
CALCULATION OF THE TEMPERATURE DISTRIBUTION THROUGHOUT THE PROFILE OF TURBINE BLADES WITH INTERVAL AIR COOLING. 9 Jan 64, 12p 6refs JPRS: 22668 (p. 59-70/71).
Order from OTS $3.00 in TT-64-21246 (p. 59-70/71)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 50-59. (Abstract available)

Lokai, V. I.
TEMPERATURE OF COOLED TURBINE BLADES IN A NON-UNIFORM GAS FIELD. 9 Jan 64, 11p 6refs JPRS: 22668 (p. 95-105).
Order from OTS $3.00 in TT-64-21246 (p. 95-105)

Trans. of Izvestiya Vysshikh Uchebnyka Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 78-86.

Ovsyannikov, B. V.
THE CONNECTION OF THE WHEEL HEAD OF A RADIAL IMPELLER MACHINE WITH THE MOMENT OF INERTIA OF THE CORIOLIS FORCES. 9 Jan 64, 13p 5refs JPRS; 22668 (p. 113-125).
Order from OTS $3.00 in TT-64-21246 (p. 113-125)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 92-101.

Tunakov, A. P.
CALCULATION OF THE ARBITRARY REGIME OF A RADIAL-AXIAL TURBINE. 9 Jan 64, 8p 6refs JPRS: 22668 (p. 137-144).
Order from OTS $3.00 in TT-64-21246 (p. 137-144)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 111-117.

Zaryankin, A. E.
CALCULATION OF LOSSES IN ANNULAR AXIALLY SYMMETRIC DIFFUSORS OF THE EXHAUST DUCTS OF TURBINE MACHINES. 9 Jan 64, 10p 2refs JPRS: 22668 (p. 85-94).
Order from OTS $3.00 in TT-64-21246 (p. 85-94)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 70-77.

Machine Parts and Mechanisms

Luzhnikovskaya, M. A.
CACULATION OF ERRORS IN MACHINING PARTS BY THE METHOD OF LATERAL TURNING AND RADIAL FEED. 30 Dec 63, 8p 3refs JPRS: 22479 (p. 176-183)
Order from OTS $3.00 in TT-64-21137 (p. 176-183)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 147-153. (Abstract available)

Sarti, Tino.
TRIPLE-EFFECT VIBRATION AND SHOCK ABSORBER F. H. B., tr. 6 Jan 64, 6p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13575

Trans. of Italian patent 597,165, Internat. Cl. F 06 f, appl. 24 Oct 58, granted 22 Aug 59.

Zheludkov, V. N.
RESILIENT GUIDES IN DEVICES (A REVIEW). 30 Dec 63, 18p 46refs JPRS: 22479 (p. 135-153)
Order from OTS $3.00 in TT-64-21137 (p. 135-153)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 115-128. (Abstract available)

Transport, Traction and Hoist Facilities

Denis, Eugene.
SHOCK ABSORBERS FOR AUTOMOBILES OR OTHER APPLICATIONS L. H., tr. 22 Jan 64, 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13581

Trans. of French patent 610,585, gr. 10, cl. 1, appl. 4 Feb 26, granted 12 Jun 26, pub. 8 Sep 26. (Abstract available)

Guétat, Joseph.
BUMPERS FOR AUTOMOBILES
L. A. N., tr. 10 Jan 64, 4p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13582

Trans. of French patent 466,112, gr. X, cl. 1, appl. 20 Feb 13, granted 21 Feb 14, pub. 5 May 14. (Abstract available)

Jeanlin, Césaar-Marc-Jean and Chefneux, Ernest-Paul-Joseph.
IMPROVEMENTS IN AUTOMOBILE BUMPERS G. E., tr. 15 Jan 64, 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13580

Trans. of French patent 1,236,895, P. V. no. 806,476, Internat. Cl. B 62d, appl. 1 Oct 59, granted 13 Jun 60. (Abstract available)

Lobinger, Hermine.
SPRING SUSPENSION SYSTEM FOR MOTOR VEHICLES
L. H., tr. 14 Oct 63, 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24412

Trans. of German patent 612,843, cl. 63c, gr. 40, pat from 18 Oct 33, grant announced 11 Apr 35, pub. 6 May 35. (Abstract available)

Myshkovskii, I. D.
SOME OF THE ECONOMIC PROBLEMS INVOLVED IN INCREASING THE EFFICIENCY OF THE NEW TYPES OF LOCOMOTIVES (Nekotorye Ekonomicheskie Voprosy Povysheniya Effektivnosti Novykh Vidov Tyagi).
H.A.D., tr. 2 Dec 63, 8p I-3407 G.
Order from OTS $0.50 TT-64-11513

Trans. of Zheleznodorozhnyi Transport (USSR) 1963 [v. 45] no. 6, p. 36-39.

MATERIALS

PACKING OF NATURAL SPONGES
L. N., tr. 10 Dec 63, 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13254

Trans. of Swiss patent 183, 570, cl. 125 b, by SCHWAMM A.-G., appl. 21 Dec 35, granted 15 Apr 36, pub 1 Jul 36.

Chupeev, M. A.
USE OF SURFACE ACTIVE AGENTS IN THE GRINDING OF CARBON BLACKS WITH ALKYD MEDIA. [1964]
Order from TTIS $4.00 TTIS NS 167

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 3, p. 77-78.

Grün, R., Beckman, H., Lerch, Obenauer, and Schegel.
SHRINKING OF MORTAR AND CONCRETE. [1963] 19p (figs refs omitted)
Order from SLA $1.60 TT-64-14224

Trans. of Zement (Germany) 1939 [v. 28, no. 22, p. 345-350; no. 23, p. 359-362; no. 24, p. 374-379].

Kukolev, G.V. and Mel'nichenko, L.G.
ACCÉLÉRATION DE L'EFFRITAGE HUMIDE DES MATIÈRES PREMIÈRES POUR CIMENTS ET ABAISSEMENT DE L'HUMIDITÉ FINALE (Ob Uskorenii Mokrogo Izmel'cheniya Tsementnogo Syr'ya i Spizhenii Vlazhnosti Shlama) (Accelerating the Wet Grinding of Raw Materials for Cement and Reducing the Moisture Content of the Slurry). 31p. (foreign text included) 5refs. CNRS-VI 111.
Order from OTS, ETC or CNRS $3.60 TT-62-28754

Trans. in French of #Zhurnal Prikladnoi Khimii (USSR) 1951, v.24, no.3, p.231-241.

Kuz'minskii, A.S. and Lezhnev, N.N.
INFLUENCE MUTUELLE DE LA PHÉNYL-NAPHTYL-AMINE, DU SOUFRE ET DES ACCÉLÉRATEURS DE VULCANISATION SUR L'OXYDATION DU CAOUTCHOUC (O Sovmestnom Vliyanii Fenil-B-Naftilamina, Sery i Uskoritelei Vulkanizatsii na Okislenie Kauchuka) (Simultaneous Effects of Phenyl-B-Naphthylamine, Sulfur and Vulcanization Accelerators on the Oxidation of Rubber). 11p. (foreign text included) 5 refs. CNRS-VI 117.
Order from OTS, ETC or CNRS $1.60 TT-62-28732

Trans. in French of Akademiya Nauk SSSR. Doklady, 1952, v.83, no.1, p.111-114.

Pinus, E. R.
METHODS OF BONDING NEW CONCRETE TO OLD (Sposoby Skleivaniya Novogo Betona so Starym).
Dec 63 [6p] 3refs RTS-2412.
Order from OTS, SLA, or ETC $1.10 TT-64-13392

Trans. of Avtomobil'nye Dorogi (USSR) 1962, v. 25, no. 12, p. 22-23.

Ryabov, A.M.
ESSAI D'UTILISATION DU BRAI DE DISTILLATION D'ACIDES GRAS (Opyt Ispol'zovaniya Gudronnogo Sala) (Using the Resins from the Distillation of Fatty Acids). 6p. (foreign text included) CNRS-VI 835.
Order from OTS, ETC or CNRS $0.80 TT-62-29191

Trans. in French from Masloboino-Zhirovaya Promyshlennost' (USSR) 1961, [v. 27] no. 7.

Schweizer, G.
INVESTIGATION OF THE GAS CONTENT IN THE STOCK AND WATER CIRCULATION SYSTEM OF A HIGH SPEED MACHINE. [1963] 8p (figs omitted) 4refs
Order from SLA $1.10 TT-64-14343

Trans. of Wochenbl[att für] Papierfabrik[ation] (West Germany) 1962, v. 90, no. 15, p. 785-791.

Szczepanik, M. and others.
PROCESS FOR THE PRODUCTION OF METASILICATE-TYPE DETERGENTS BLEACHING BY THE ACTION OF ACTIVE OXYGEN. [1964]
Order from TTIS $7.20 TTIS NS-172

Trans. of Polish patent 46,747, appl. 9 Apr 60, pub. 20 Mar 63.

Yamaguchi, G.
ÉTUDE SUR LES ABRASIFS. I. LA COMPOSITION CHIMIQUE ET LE POIDS SPÉCIFIQUE DES GRAINS (Studies on Abrasive Materials. I. Chemical Constituents and Specific Gravity of Grain). 10p. (foreign text included) CNRS-VI 97.
Order from OTS, ETC or CNRS $1.10 TT-62-28729

Trans. in French of [Yogyo Kyokaishi] (Japan) 1943, v. 51, p. 423-425.

Zadoyan, M.A.
SUR UN PROBLÈME DE L'ÉTAT LIMITE DES BLOCS EN BETON (The Ultimate Stress State of Concrete Blocks). 9p. 3refs. CNRS-XV 72.
Order from OTS, ETC or CNRS $1.10 TT-62-28203

Trans. in French of Akademiya Nauk Armyanskoi SSR, Erevan. Doklady, 1957, v.24, no.5, p.193-199.

Ceramics and Refractories

Büssem, W., Schusterius, C., and Ungewiss, A.
X-RAY EXAMINATIONS OF THE BINARY SYSTEMS TiO_2-MgO, ZrO_2-MgO, AND ZrO_2-TiO_2. [1963] 15p 8refs
Order from SLA $1.60 TT-64-10489

Trans. of [Deutsche Keramische Gesellschaft. Berichte] (Germany) 1937, v. 18, no. 10 [p. 433-443].

Knapp, Oscar.
THE CHEMICAL COMPOSITION OF GLASSES FOR VACUUM TECHNOLOGY. [1963] 9p (tables omitted) 16refs
Order from SLA $1.10 TT-64-10481

Trans. of Silikat Technik (East Germany) 1955, v. 6. p. 99-104.

Koldaev, B. G.
DETERMINATION OF THE HETEROGENEITY OF GLASS IN POLARIZED LIGHT (Opredelenie Neodnorodnosti Stekla v Polyarizovannom Svete). [1963] [11p] (foreign text included)
Order from OTS, SLA, or ETC $1.60 TT-64-10565

Trans. of Med[itsinskaya] Prom[yshlennost'] SSSR, 1954, no. 1, p. 39-42. (Abstract available)

Kostanyan, K. A. and Saakyan, K. S.
THE ELECTROCONDUCTIVITY OF SOME INDUSTRIAL GLASSES IN THE FUSED STATE (Elektroprovodnost' Nekotorykh Promyshlennykh Stekol v Rasplavlennom Sostoyanii). [1963] [10p] (foreign text included) 2refs
Order from OTS, SLA, or ETC $1.10 TT-64-10566

Trans. of Steklo i Keramika (USSR) 1960, v. 17, no. 8, p. 7-9. (Abstract available)

Sazonova, M.V., Sitnikova, A.Ya. and Appen, A.A
PROTECTION DU CHARBON ET DU GRAPHITE CONTRE L'OXYDATION AUX TEMPÉRATURES INFÉRIEURES À 1200° (Zashchita Uglya i Grafita ot Okis Leniya Pri Temperaturakh do 1200°) (The Protection of Carbon and Graphite Against Oxidation at Temperatures to 1200°). 22p. (foreign text included) 8 refs. CNRS-VI 677.
Order from OTS, ETC or CNRS $2.60 TT-62-28748

Trans. in French of#Zhurnal Prikladnoi Khimii (USSR) 1961, v.34, no.3, p.505-512.
Trans. in English is available from OTS, SLA or ETC $1.60 as 62-23361, MCL-1285, AD-269 653, 1961, 14p.
An abstract trans. is available from OTS, SLA or ETC $1.10 as 61-23408, AID-61-74, 1961, 2p.

Topchieva, N.V.
RÉGULATION DU PROCESSUS DE PRISE ET DE DURCISSEMENT DES MORTIERS DE PLÂTRE PAR LA MÉTHODE DE GÂCHAGE EN DEUX TEMPS (Regulyuvannya Protsesiv Tuzhavlennya i Tverdinnya Gipsovikh Rozchiniv Metodom Dvostupinchastogo Zatvorinnya) (Regulation of the Process of Setting and Hardening of Plaster Mortar by the Method of Two-Stage Solution). 13p. (foreign text included) 5refs. CNRS-XXV 627.
Order from OTS, ETC or CNRS $0.80 TT-62-28595

Trans. in French of Akademiya Nauk URSR, Kiev. Dopovidi, 1961, no.3, p.363-366.

Fuels, Lubricants, and Hydraulic Fluids

Billigmann, J., Kühn, H., Brockhaus, J. G. and others.
STUDIES OF LUBRICATING EFFICIENCY OF ROLLING OILS, ESPECIALLY OIL EMULSIONS, PT. III. Jan 64, 5200words
Order from HB $11.50 HB-5353

Trans. of Stahl und Eisen (West Germany) 1955, v. 75, no. 25, p. 1701-1705.

Boeck, E.
ALKALINE EARTH METAL SOAP-HYDROXIDE GREASE THICKENER. [1964]
Order from TTIS $17.00 TTIS NS 177

Trans. of East German patents 21,328 [1961] and 26,004 [1963].

Kosnikov, Yu. I., Grishchinskaya, L. L., and Varankin, Yu. V.
THE EFFECT OF BOTANIC COMPOSITION AND THE DEGREE OF PEAT DECOMPOSITION UPON THE RESULTS OF ITS HIGH-SPEED THERMAL DECOMPOSITION. 31 Jan 64, 10p 3refs JPRS: 23006 (p. 141-150).
Order from OTS $3.00 in TT-64-21444 (p. 141-150)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 111-118]. (Abstract available)

Minachev, Kh.M., Ryashentseva, M.A. and Petrukhova, V.A.
REFORMING DES FRACTIONS DE BENZINE DES PÉTROLES DE VOLGA-OURAL SUR DES CATALYSEURS À L'ALUNIME-RHÉNIUM TRAITÉS PAR L'HYDROGÈNE SULFURÉ (Reformirovanie Benzinovoi Fraktsii Volzhsko-Ural'skikh Neftei na Reniiglinozemnom Katalizatore, Obrabotannom Serovodorodom) (Reforming of Gasoline Fractions of Volga-Ural Erudes on Rhenium-Alumina Catalyst Treated with Hydrogen Sulfide). 12p. (foreign text included) 4refs. CNRS-VI 685.
Order from OTS, ETC or CNRS $1.60 TT-62-28753

Trans. in French of #Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1961, no.7, p.1307-1310.

Pier, M.
CONVERSION OF ROSINS TO HYDROCARBONS. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-14113

Trans. of German patent 624,843 [1936].

Trapeznikov, A.A., Shchegolev, G.G. and Astakhov, I.I.
ÉTUDE À L'AIDE D'UN MICROSCOPE ÉLECTRONIQUE DE L'INFLUENCE DES CONDITIONS DE PRÉPARATION D'UN LUBRIFIANT CONSISTANT À BASE DE LITHIUM SUR SA MICROSTRUCTURE (Elektronnomikroskopicheskoe Issledovanie Vliyaniya Uslovii Prigotovleniya Litievoi Konsistentnoi Smazki na ee Mikrostrukturu) (Electron Microscopic Investigation of the Influence of the Conditions of Preparation of Lithium Grease on its Microstructure). 13p. (foreign text included) 7refs. CNRS-VI 456.
Order from OTS, ETC or CNRS $1.60 TT-62-28759

Trans. in French of #Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1959, v. 23, no. 6, p. 777-779.

Voloshin, V. A., Vysotskaya, A. I., Ganenko, V. E., and Urazovskii, S. S.
THE THERMODYNAMICS OF COKING [Zur Thermodynamik des Verkokungsprozesses]. [1963] [11p] 8refs C. E. Trans. 2997.
Order from OTS, SLA, or ETC $1.60 TT-63-23982

Trans. of Akad[emiya] Nauk SSSR. [Otdelenie Tekhnicheskikh Nauk]. Izvest[iya]: Met[allurgiya] i Toplivo, 1961, no. 3, p. 183-190.
Another trans, is available in German from TIB $2.35.

Zhuze, T.P. and Yushkevich, G.N.
LES HYDROCARBURES GAZEUX COMPRIMÉS CONSIDÉRÉS COMME SOLVANTS DU PÉTROLE ET DE SES RÉSIDUS. I. (Szhatye Uglevodorodnye Gazy Kak Rastvoriteli Nefti i Neftyanykh Sstatkov. I.) (Compressed Hydrocarbon Gases as Solvents for Crude Oils and Residuums). 18p. (foreign text included) 9 refs. CNRS-VI 297.
Order from OTS, ETC or CNRS $1.60 TT-62-28717

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1957, no.11, p.63-68.
Another trans. is available in English from ATS $10.50 as ATS-86K24R, 7p.

Leather and Textiles

FATTING AGENT FOR LEATHER. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10645

Trans. of German patent 596,576, n.d.

Bykova, I.V.
SUR L'EMPLOI DES HOMOGENEISEURS DANS L'ENCOLLAGE (Apparatus for Homogenizing for Dressing). 7p. 2refs. CNRS-VI 830.
Order from OTS, ETC or CNRS $0.80 TT-62-29308

Trans. in French of [Tekstil'naya Promyshlennost' (USSR) 1961, v. 21, no. 6, p. 45-47].
Another trans. is available in English from OTS or SLA $1.10 as TT-62-25285, Courtaulds ML-3432, 2 Jan 62, 5p.

Feher, I. and Figuli, J.
DIALDEHYDE-CELLULOSE AS A TANNING MATERIAL. [Jan 64] 7p
Order from ATS $9.65 ATS-63Q73H

Trans. of Bor- es Cipotech[nika] (Hungary) 1962, v. 12, no. 5/6, p. 133-135.

Kharitanov, V. M. and others.
KAPRON FIBRES WITH NON-CIRCULAR CROSS-SECTION. [1963] 5p 9refs [BNSL] T. 1463 [DSIR] NLL M. 10375.
Order from OTS, SLA, or ETC $1.10 TT-63-23500

Trans. of Khimicheskie Volokna (USSR) 1962, no. 5, p. 49-51. (Abstract available)

Kolchinskaya, L. M., Rusova, L. A., and Mikhlina, V. V.
PRODUCTION OF NO. 10.7 KAPRON CORD. [1963] 4p [BNSL] T. 1367 [DSIR] NLL M. 10095.
Order from OTS, SLA, or ETC $1.10 TT-63-23365

Trans. of Khimicheskie Volokna (USSR) 1962, no. 1, p. 7-8. (Abstract available)

Nikolaeva, N. S. and Konkin, A. A.
POLYNOSIC FIBRES. [1963] 21p 38refs [BNSL] T. 1471 [DSIR] NLL M. 10377.
Order from OTS, SLA or ETC $2.60 TT-63-23498

Trans. of Khimicheskie Volokna (USSR) 1962, no. 5, p. 5-15. (Abstract available)

Tatevosyan, G. O.
GLASS-FIBRE REINFORCED CONSTRUCTIONAL MATERIALS AT THE EXHIBITION OF ACHIEVEMENTS OF THE NATIONAL ECONOMY. [1963] 3p [DSIR] NLL M. 10363.
Order from OTS, SLA, or ETC $1.10 TT-63-23505

Trans. of Plasticheskie Massy (USSR) 1962, no. 10, p. 71-73.

Paints and Finishes

Bobyrenko, Yu. Ya.
THE VARIATION OF THE COVERING POWER OF PIGMENTS WITH THEIR REFRACTIVE INDEX AND PARTICLE SIZE. [1964]
Order from TTIS $9.00 TTIS NS 169

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 4. p. 51-52.

Brust, O.
HEAT CONSUMPTION OF CONTINUOUS FLOW (PAINT STOVING) OVENS. [1964]
Order from TTIS $12.00 TTIS NS 165

Trans. of Industrie-Lackier-Betrieb (West Germany) 1963, v. 31, p. 172-174.

Ermilov, P. I.
ON THE WETTING OF PIGMENTS. [1964]
Order from TTIS $21.00 TTIS NS 168

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 4, p. 23-26.

Photographic Materials

Kimura, S.
PROGRÈS RÉCENTS DANS LES COLORANTS DE SENSIBILISATION (Recent Progress in Sensitizing dyes). 51p. 182refs. CNRS-XVIII 83.
Order from OTS, ETC or CNRS $5.60 TT-62-28872

Trans. in French of Fuji Photo Film Co., Ltd. Scientific Publications (Japan) 1953, no.1, p.76-94

Kryloya, I.V. and Kobozev, N.I.
MAGNÉTOCHIMIE DES CENTRES ACTIFS. III. ÉTUDE MAGNÉTIQUE DU PROCESSUS PHOTOGRAPHIQUE (The Magnetochemistry of Active Centres. III. A Magnetic Investigation of the Photographic Process). 14p. 14refs. CNRS-XVIII 58.
Order from OTS, ETC or CNRS $1.60 TT-62-28869

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30, no. 11, p. 2483-2488.

Protas, I.R. and Krakau, Yu.A.
SENSIBILISATION CHIMIQUE, À L'ÉGARD DE DIVERSES FORMES DE RADIATION, DES EMULSIONS À FORTE DISPERSION (O Khimicheskoi Sensibilizatsii Vysokodispersnykh Emul'sii k Razlichnym Vidam Izlucheniya) (Chemical Sensitization of Highly Dispersed Emulsions for Exposure to Various Kinds of Radiation). 21p. (foreign text included) 13refs. CNRS-VIII bis 422 bis
Order from OTS, ETC or CNRS $2.60 TT-62-28192

Trans. in French of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1957, v.2, no.4, p.270-276.
Trans. in English available from LC or SLA mi$1.80, ph$1.80 as 61-15619, 1960, 10p. and from SLA as R-4929, 9p.

Ryzhanov, S.G.
DOMAINE ÉNERGÉTIQUE DE LA BANDE DES EXCITONS DANS LE BROMURE D'ARGENT (The Energy Range of the Excition Zone in Silver Bromide). 4p. 6refs. CNRS-XVIII 86.
Order from OTS, ETC or CNRS $1.10 TT-62-28863

Trans. in French of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1959, v.4, no.6, p.460.
Trans. in English is available from LC or SLA $1,80 as 60-16297, 1960, 2p.

Selenyi, P.
ELECTROGRAPHY, A NEW ELECTROSTATIC RECORDING PROCESS AND ITS APPLICATIONS. [1963] 11p
Order from ATS $14.65 ATS-73Q73G

Trans. of Tungsram-Mitt. [sic] 1935/36, v. 4, p. 1-8.

Plastics

PLASTICS: AN ECONOMIC SURVEY. 20 Feb 64, 4p JPRS: 23312 (p. 34-37).
Order from OTS $1.75 in TT-64-21608 (p. 34-37)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 50[123] p. 20.

PROCESS FOR THE PRODUCTION OF FLEXIBLE ELASTIC SHEET FROM FOAMED POLYSTYRENE. [1964]
Order from TTIS $4.00 TTIS NS 176

Trans. of Polish patent 47,245 [by] Zaklady Chemiczne 'Nitron', appl. 13 Jul 62, pub. 17 Aug 63.

PROCESS FOR THE PRODUCTION OF THERMAL AND SOUND INSULATING FOAMS BASED ON UREA-FORMALDEHYDE RESINS. [1964]
Order from TTIS $7.00 TTIS NS 175

Trans. of Polish patent 47,050, by Institute of Synthetic Materials, appl. 20 Jan 62, pub. 29 Jun 63.

Braginskii, V. and Gradov, A.
SPECIALIZING THE PROCESSING OF PLASTICS. 19 Feb 64, 4p JPRS: 23300 (p. 60-63).
Order from OTS $2.50 in TT-64-21602 (p. 60-63)

Trans. from Pravda, Leningrad (USSR) 1963, 14 Nov, p. 2.

Ebert and Scholz.
SODIUM POLYMERIZATION OF STYRENE AND MIXTURES OF IT WITH BUTADIENE, WITH OR WITHOUT REGULATORS [Über die Natriumpolymerisation des Styrols und seiner Gemische mit Butadien ohne und mit Reglern]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10260

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany) KUKO-92, 26 Nov 36 [3p] (PB-40898).

Fikentscher.
COPOLYMERS OF VINYL ESTERS OF HIGHER FATTY ACIDS [Mischpolymerisate mit Vinylestern Höherer Fettsäuren]. [1963] [7p]
Order from OTS, SLA, or ETC $1.10 TT-64-10254

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany) KUKO-106, 1 Apr 37 [8p] (PB-76327).

Fikentscher [H.].
POLYACRYLATES: CORIALGRUND [Polyacrylsäurederivate: Corialgrund]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10266

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-46B [Jul 33] [3p] (PB-40840).

Fikentscher, H.
POLYMERIZATION IN ORGANIC SOLVENTS AND IN WATER [I. Bemerkungen zur Polymerisation in Gegenwart von Organischen Lösungsmittelin. II. Bemerkung zur Polymerisation in Gengenwart von Wasser]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10245

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-44, 16 Feb 33 [4p] (PB-40836).

Fikentscher [H.].
TROLULOID [Troluloid]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10265

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-52A, 14 Feb 34 [3p] (PB-40848).

Hopff.
NEW FINDINGS IN THE VINYL ETHER FIELD [Neue Ergebnisse auf dem Gebiete der Vinyläther]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10243

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany) KUKO-26, 4 Nov 31 [2p] (PB-40817).

Korshak, V. V., Tsvankin, D. Ya., and Krukovskii, C. P.
STUDIES OF FILMS OF POLYETHYLENE TERAPHTHALENE (LAVSAN) WITH GRAFTED POLYSTYRENE [1963] 2p (figs omitted) 2refs [BNSL] T. 1503 [DSIR] NLL M. 10103.
Order from OTS, SLA, or ETC $1.10 TT-63-23366

Trans. of Akademiya Nauk SSSR. Doklady, 1962, v. 146, no. 6, p. 1347-1349.

Meissner, J.
A STUDY OF THE RHEOLOGICAL BEHAVIOR OF MOLTEN POLYETHYLENE USING THE CAPILLARY VISCOMETER. [1963] (figs refs omitted)
Order from SLA $1.60 TT-64-10183

Trans. of reprint of Materialprüfung (West Germany) 1963, v. 5, no. 3, p. 107-113. (Abstract available)

Mostovshchikov, A.
NEW LAVSAN FILM IS DEVELOPED. 19 Feb 64, 3p JPRS: 23300 (p. 36-38).
Order from OTS $2.50 in TT-64-21602 (p. 36-38)

Trans. from Pravda, Moscow (USSR) 1963, 17 Nov, p. 4.

Popov, V. A., Smirnov, R. N., Kulyai, Z. T., and Kondrateva, V. A.
PRODUCTION OF HEAT-RESISTANT POLYMERIC MATERIALS BY PYROLYSIS: CELLULAR GRAPHITES. [1963] [5p] 15refs [DSIR] NLL M. 10365.
Order from OTS, SLA, or ETC $1.10 TT-63-23511

Trans. of Plasticheskie Massy (USSR) 1962, no. 12, p. 18-21. (Abstract available)

Rafikov, S. R., Chelnokova, G. N., and Sorokina, R. A.
CHEMICAL REACTIONS OF POLYMERS. VIII. DEGRADATION OF POLYHEXAMETHYLENE ADIPAMIDE AT HIGH TEMPERATURES. [1963] 10p 9refs [BNSL] T. 1513 [DSIR] NLL M. 10382.
Order from OTS, SLA, or ETC $1.10 TT-63-23515

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 11, p. 1639-1646. (Abstract available)

Reppe.
PREPARATION AND PROPERTIES OF HIGH POLYMERIC STYRENE [Über die Herstellung und Eigenschaften von Hochpolymerem Styrol]. [1963] 3p
Order from OTS, SLA, or ETC $1.10 TT-64-10273

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen (Germany). KUKO-66, 25 Nov 35 [4p] (PB-76316).

Reppe.
PRESENT STATE OF THE WORK IN THE ACETYLENE FIELD [Über den Gegenwärtigen Stand der Arbeiten auf dem Acetylen-Gebiet]. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-10248

Trans. of [Badische Anilin-und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-54, 16 Nov 34 [7p] (PB-76315).

Reppe.
REACTION OF ACETYLENE ON HIGHER FATTY ACIDS, AROMATIC ACIDS, PHENOLS AND AMINES, WITH ORGANIC ZINC AND CADMIUM COMPOUNDS AS CATALYSTS [Über die Einwirkung von Acetylen auf Höhere Fettsäuren Aromatische Säuren, Phenole und Amine Unter dem Katalytischen Einfluss von Organischen Zink-und Cadmium-Verbindungen]. [1963] 6p 12refs
Order from OTS, SLA, or ETC $1.10 TT-64-10244

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-31, 19 Apr 32 [8p] (PB-40823).

Reppe.
REVIEW OF THE WORK IN THE ACETYLENE FIELD: NEW REACTIONS OF ACETYLENE [I. Stand der Bisherigen Arbeiten auf dem Acetylengebiet. II. Neue Reaktionen des Scetylens]. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-10246

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-50 [Jul 33] [8p] (PB-40837).

Reppe, W.
NEW FINDINGS IN THE PREPARATION AND USE OF N-VINYL COMPOUNDS (VINYL CARBAZOL) [Neue Ergebnisse in der Herstellung und Verwendung von N-Vinylverbindungen, Insbesondere des Vinylcarbazole]. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-10249

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-64, 26 Nov 35 [7p] (PB-40877)

Reppe [Walter].
EMULSION POLYMERIZATION OF VINYL ETHERS [Die Emulsionpolymerisation von Vinyläthern]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10253

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany) KUKO-103, 5 Apr 37 [2p] (PB-76324).

Wulff.
DEVELOPMENTS IN STYRENE AND POLYSTYRENE [Entwicklung des Styrols und Polystyrols]. [1963] 4p
Order from OTS, SLA, or ETC $1.10 TT-64-10242

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany) KUKO-16, 23 Mar 34 [4p] (PB-76308).

Wulff.
PLANT SCALE MANUFACTURE OF STYRENE AND POLYSTYRENE AND THE IMPROVEMENT OF STYRENE POLYMERS [Über die Betriebsmässige Herstellung von Styrol und Polystyrol und die Verbesserung der Styrol-Polymerisate]. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10268

Trans. of [Badische Anilin- und Soda-Fabrik, A.G., Ludwigshafen] (Germany). KUKO-21, 29 Jun 31 [5p] (PB-40814).

MATHEMATICS

AMERICAN MATHEMATICAL SOCIETY TRANSLATIONS, 1963, SER. 2, VOL. 33. 1963, 438p
Order from AMS

Consists of 9 papers on differential equations and 2 on information theory from 1937-1960 issues of Russian and Chinese journals.

Separate entries have been prepared for the individual articles.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 6. 20 Feb 64, 6p JPRS: 23337.
Order from OTS $0.50 TT-64-21620

Abstract trans. of Akademie der Wissenschafter, Berlin. Monatsberichte (East Germany) 1963, v. 5, no. 11/12, p. 663-675, 689-692, 712-713, 715-717, 722-729.

Afinogenov, L. P.
APPROXIMATE DETERMINATION OF NUMBER OF SECTIONS IN PIECEWISE-LINEAR APPROXIMATION. 30 Dec 63, 9p 1ref JPRS: 22479 (p. 52-61)
Order from OTS $3.00 in TT-64-21137 (p. 52-61)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 47-53.

Andronov, A. A. and Leontovich, E. A.
GENERATION OF LIMIT CYCLES FROM A SEPARATRIX FORMING A LOOP AND FROM THE SEPARATRIX OF AN EQUILIBRIUM STATE OF A SADDLE NODE TYPE (O Rozhdenii Predel'nykh Tsiklov iz Petli Separatrisy i iz Separatrisy Sostoyaniya Ravnovesiya Tipa Sedlo-Uzel)
J. M. Beck, tr. 1963, 43p 11refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 189-231)

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1959, v. 48(90) p. 335-376.

Anosov, D. V.
ON LIMIT CYCLES IN SYSTEMS OF DIFFERENTIAL EQUATIONS WITH A SMALL PARAMETER IN THE HIGHEST DERIVATIVES (O Predel'nykh Tsiklakh Sistem Differentsial'nykh Uravnenii s Malym Parametrom pri Starshikh Proizvodnykh)
N. H. Choksy, tr. 1963, 43p 10refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 233-275)

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1960, v. 50(92) [no. 3] p. 299-334.
Another trans. is available from OTS or SLA $4.60 as TT-62-23131, MDF A-157 [1960] 44p.

Ding, Shia-shi.
DIFFERENTIAL EQUATIONS OF MIXED TYPE. 1963, 12p 4refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 47-58)

Trans. of [Shu Hsüeh Hsüeh Pao] (Chinese People's Republic) 1955, v. 5, p. 193-204.

Faverge, J. M.
METHOD OF STUDYING JUDGMENTS (Methode d'Etude de Jugements). [1963] [14p]
Order from SLA $1.60 TT-64-10319

Trans. of le Travail Humain (France) 1952 [v. 15] no. 3/4, p. 256-264.

Gil', G. V. and Myshkis, A. D.
ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF A NONLINEAR BOUNDARY PROBLEM IN THE BOUNDARY LAYER THEORY (Asimptoticheskoe Povedenie Reshenii Odnoi Nelineinoi Kraevoi Zadachi Teorii Pogranichnogo Sloya)
S. H. Gould, tr. 1963, 6p 5refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 41-46)

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1957. v. 112 [no. 4] p. 599-602.

Kostychev, G. I.
NECESSARY CONDITIONS OF THE EXTREMUM FOR ONE VARIATION PROBLEM WITH A DISTRIBUTION PARAMETER. 9 Jan 64, 13p 4refs
JPRS: 22668 (p. 153-165).
Order from OTS $3.00 in TT-64-21246 (p. 153-165)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 124-133.

Kupradze, V. D.
A METHOD USING INTEGRAL EQUATIONS IN THE THEORY OF DIFFRACTION
D. H. Hill, tr. 1960 [23p] IGRL-T/R-106 [DSIR NLL M. 3023].
Order from OTS, SLA, or ETC $2.60 TT-64-13704

Trans. of Matematicheskii Sbornik (USSR) 1934, v. 41, no. 4, p. 561-574.

Oleinik, O. A.
CONSTRUCTION OF A GENERALIZED SOLUTION OF THE CAUCHY PROBLEM FOR A QUASI-LINEAR EQUATION OF FIRST ORDER BY THE INTRODUCTION OF "VANISHING VISCOSITY" (O Postroenii Obobshchennogo Resheniya Zadachi Koshi dlya Kvazilineinogo Uravneniya Pervogo Poryadka Putem Vvedeniya "Ischezayushchei Vyazkosti")
George Biriuk, tr. 1963, 7p 7refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 277-283)

Trans. of Uspe[k]hi Mat[ematicheskikh] Nauk (USSR) 1959, v. 14, no. 2(86) p. 159-164.

Oleinik, O. A.
UNIQUENESS AND STABILITY OF THE GENERALIZED SOLUTION OF THE CAUCHY PROBLEM FOR A QUASI-LINEAR EQUATION (O Edinstvennosti i Ustoichivosti Obobshchennogo Resheniya Zadachi Koshi dlya Kvazilineinogo Uravneniya)
R. N. Goss, tr. 1963, 6p 1ref
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 285-290)

Trans. of Uspe[k]hi Mat[ematicheskikh] Nauk (USSR) 1959, v. 14, no. 2(86) p. 165-170.

Ryvkin, V. B. and Kondrashov, N. G.
SOLUTION OF THE PROBLEM OF THE TEMPERATURE FIELD IN A CYLINDER COOLED BY A TURBULENT LIQUID FLOW, BY THE METHOD OF SEPARATION OF VARIABLES. 31 Dec 63, 9p 5refs
JPRS: 22553 (p. 123-131).
Order from OTS $3.50 in TT-64-21181 (p. 123-131)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 92-98].

Sobolev, S. L.
ON A BOUNDARY VALUE PROBLEM FOR POLY-HARMONIC EQUATIONS (Ob Odnoi Kraevoi Zadache dlya Poligarmonicheskikh Uravnenii)
George Biriuk, tr. 1963, 40p 6refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 1-40)

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1937, v. 2, no. 44, p. 467-499.

Starzhinskii, V. M.
ON THE STABILITY OF PERIODIC MOTIONS (Ob Ustoichivosti Periodicheskikh Dvizhenii, I). PT. I, LINEAR DIFFERENTIAL EQUATIONS OF SECOND ORDER AND SYSTEMS OF TWO LINEAR DIFFERENTIAL EQUATIONS OF SECOND ORDER WITH PERIODIC COEFICIENTS
R. F. Rinehart, tr. 1963, 63p
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 59-121)

Trans. of Inst[itutul] Politehn[ic] Iasi. Bul[etinul] (Rumania) 1958, v. 4(8) no. 3/4, p. 19-68.

Starzhinskii, V. M.
ON THE STABILITY OF PERIODIC MOTIONS (Ob Ustoichivosti Periodicheskikh Dvizhenii, II) PT. II, LINEAR DIFFERENTIAL EQUATIONS AND HIGHER ORDER SYSTEMS WITH PERIODIC COEFFICIENTS
N. H. Choksy, tr. 1963, 65p 146refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 123-187)

Trans. of Inst[itutul] Politehn[ic] Iasi. Bul[etinul] *Rumania) 1959, v. 5(9) no. 1/2, p. 51-100.

Computing Devices

Belov, A. F., Belous, A. L., Kuznetsov, K. F., Kurochkin, S. S., and Salichko, V. N.
THE DIGITAL SYSTEM OF STORING AND RETRIEVING INFORMATION (AI-2048): FOREWORD, CHAPS. 1-2, CONCLUSION, AND SELECTED TABLES. 27 Jan 64, 44p JPRS: 22930.
Order from OTS $1.25 TT-64-21405

Trans. of mono. Tsifrovaya Sistema Nakopleniya i Obrabotki Informatsii (AI-2048) Moscow, 1963, p. 1-37, 52, 100-101, 143, (Abstract available)

Couffignal, L.
CHARACTERISTICS TRAITS OF THE ARITHMETIC UNIT OF THE GENERAL PURPOSE COMPUTER OF THE BLAISE PASCAL INSTITUT (Traits Caractéristiques de la Claculatrice de la Machine à Calculer Universelle de l'Institut Blaise Pascal). [1963] [16p] (figs omitted)
Order from SLA $1.60 TT-64-10339

Trans. of mono. Symposium on Large-Scale Digital Calculating Machinery (no. 2) Cambridge [1951] p. 374-386.

Demidenko, V. I. and Oboronko, A. E.
NONDESTRUCTIVE TRANSVERSE FIELD READOUT OF FERRITE MEMORY UNITS. 20 Jan 64, 19p 8refs JPRS: 22799 (p. 78-96)
Order from OTS $3.00 in TT-64-21334 (p. 78-96)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Goncharenko, M. N.
MILITARY APPLICATION OF CYBERNETICS: INTRODUCTION, CHAPS. 1-2. 20 Feb 64, 44p JPRS: 23324.
Order from OTS $1.25 TT-64-21614

Partial trans. of mono. Kibernetika v Voennom Dele, Moscow, 1963.

Karpov, R. G.
APPROXIMATE DIFFERENTIATION OF FREQUENCY-PULSE INFORMATION. 30 Dec 63, 8p 3refs JPRS: 22479 (p. 32-39)
Order from OTS $3.00 in TT-64-21137 (p. 32-39)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 30-36. (Abstract available)

Kraizmer, L. P., ed.
CYBERNETICS AND ELECTRONIC COMPUTOR TECHNOLOGY. 20 Jan 64, 171p 55refs JPRS: 22799.
Order from OTS $3.00 TT-64-21334

Trans. of mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika, Moscow/Leningrad, 1962, p. 1-139.

Separate entries have been prepared for the individual articles.

Litvinov, A. P.
SYNTHESIS OF AN AUTOMATIC SYSTEM WITH A DIGITAL CONTROLLING MACHINE. 30 Dec 63, 12p 6refs JPRS: 22479 (p. 40-51)
Order from OTS $3.00 in TT-64-21137 (p. 40-51)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 37-46. (Abstract available)

Persyantseva, N. V. and Chikin, G. N.
PARAMETRON DESIGN AND USE IN THE SIMPLEST LOGIC CIRCUITS. 20 Jan 64, 16p 3refs JPRS: 22799 (p. 97-112)
Order from OTS $3.00 in TT-64-21334 (p. 97-112)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Rozenblyum, L. Ya.
THE FERRISTOR, A HYPOTHETICAL NEURON MODEL EMPLOYING A CORE WITH A SQUARE HYSTERESIS LOOP. 20 Jan 64, 14p 6refs JPRS: 22799 (p. 54-67)
Order from OTS $3.00 in TT-64-21334 (p. 54-67)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Ruzhanskii, V. I.
THE TECHNOLOGICAL SIMULATION OF NEURONS. 20 Jan 64, 9p 8refs JPRS: 22799 (p. 45-53)
Order from OTS $3.00 in TT-64-21334 (p. 45-53)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Sochivko, V. P.
COMPLEX IN DATA UNITS IN AUTOMATIC CONTROL SYSTEMS. 20 Jan 64, 10p 5refs JPRS: 22799 (p. 3-10)
Order from OTS $3.00 in TT-64-21334 (p. 3-10)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Traito, B. G.
INFORMATION THEORY IN THE STUDY OF CONTROL SYSTEMS. 20 Jan 64, 10p 6refs JPRS: 22799 (p. 68-77)
Order from OTS $3.00 in TT-64-21334 (p. 68-77)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Tur'ev, I. A., Galich, E. V., Semenov, Yu. V., Reznikov, I. P., and Kozlovskii, B. V.
A LABORATORY COMPUTER FOR JOINT OPERATION WITH A SIMULATOR. 20 Jan 64, 36p JPRS: 22799 (p. 113-148)
Order from OTS $3.00 in TT-64-21334 (p. 113-148)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Tur'ev, I. A., Kozlovskii, D. V., Semenov, Yu. V., Reznikov, I. P., and Oliv, A. G.
A HIGH-SPEED, MULTICHANNEL, ELECTRON-TUBE DIGITAL-ANALOG CONVERTER. 20 Jan 64, 12p JPRS: 22799 (p. 149-160)
Order from OTS $3.00 in TT-64-21334 (p. 149-160)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Varshavskii, V. I. and Semenova, T. N.
AN INSTRUCTION PROGRAM FOR CONFIGURATION RECOGNITION. 20 Jan 64, 17p 5refs JPRS: 22799 (p. 28-44)
Order from OTS $3.00 in TT-64-21334 (p. 28-44)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

Varshavskii, V. I. and Sokolovskii, V. A.
THE PROBLEM OF CONFIGURATION RECOGNITION. 20 Jan 64, 17p 6refs JPRS: 22799 (p. 11-27)
Order from OTS $3.00 in TT-64-21334 (p. 11-27)

Trans. from mono. Kibernetika i Elektronno-Vychislitel'naya Tekhnika (Cybernetics and Electronic Computor Technology) Moscow/Leningrad, 1962.

MECHANICS

SOVIET ABSTRACTS: MECHANICS, 1960, NO. 12, ABSTRACTS 15498-17063. [1963] [183p]
Order from OTS, SLA, or ETC $13.00 TT-63-23819

Trans. of Soviet abstracts from Referativnyi Zhurnal. Mekhanika (USSR) 1960, no. 12.

Kan, S. N. and Lipovskii, D. E.
THE CARRYING POWER OF FRAMEWORK THIN-WALLED ROUND CYLINDRICAL SHELLS UNDER COMPRESSION. 9 Jan 64, 12p 10refs JPRS: 22668 (p. 40-51).
Order from OTS $3.00 in TT-64-21246 (p. 40-51)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 34-43.

Klimov, D. M. and Slezkin, L. N.
EMPLOYMENT OF ASYMPTOTIC METHODS IN SOLVING PROBLEMS ABOUT THE MOVEMENT OF AN ASTATIC GYROSCOPE IN CARDAN SUSPENSION 31 Jan 64 [11p] 3refs FTD-TT-63-1038.
Order from OTS, SLA, or ETC $1.60 TT-64-13690

Unedited rough draft trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie, 1963, no. 3, p. 45-50. (Abstract available)

Polozhii, G. M.
THE METHOD OF P-ANALYTIC FUNCTIONS IN THE AXIAL SYMMETRY THEORY OF ELASTICITY
Ingeborg V. Baker, tr. 12 Aug 63 [4p] 1ref RSIC-45.
Order from OTS, SLA, or ETC $1.10 TT-63-23766

Trans. of mono. Naukovyi Shchorichnykh, Kiev, 1955, p. 529-530.

Sachenkov, A. V.
ON THE CALCULATION OF THE STABILITY OF FLAT PLATES. 9 Jan 64, 7p 5refs JPRS: 22668 (p. 52-58)
Order from OTS $3.00 in TT-64-21246 (p. 52-58)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 44-49. (Abstract available)

Aerodynamics and Pneumatics

AEROELASTICITY SYMPOSIUM, GÖTTINGEN, 16-17 APR 57 (Aeroelastisches Kolloquium in Göttingen am 16. und 17. April 1957). Sep 63 [194p] NASA N63-22264.
Order from OTS $3.00 NASA-TT-F-81

Trans. of Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18.

Separate entries have been prepared for the individual articles.

Anisimov, A. M.
AXIALLY SYMMETRICAL OSCILLATIONS OF A SPHERICAL SHELL FILLED WITH FLUID. 9 Jan 64, 7p 4refs JPRS: 22668 (p. 33-39)
Order from OTS $3.00 in TT-64-21246 (p. 33-39)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 28-33. (Abstract available)

Bergh, H.
EXPERIMENTAL DETERMINATION OF AERODYNAMIC COEFFICIENTS OF VIBRATING WINGS (WITH DISCUSSION) [Experimentelle Bestimmung der Aerodynamischen Beiwerte Schwingender Flügel]. Sep 63, 26p
Order from OTS $3.00 in NASA-TT-F-81 (p. 106-131)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18.

Bulygina, E. V.
A MINIMUM-DRAG SELF-BALANCING PROFILE. 9 Jan 64, 8p 6refs JPRS: 22668 Ip. 145-152).
Order from OTS $3.00 in TT-64-21246 (p. 145-152)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 118-123.

Dolomanov, E. G.
ON THE CALCULATION OF THE PARAMETERS OF THE AIR BEHIND A DIRECT SHOCK WAVE WITH A CONSIDERATION OF THE STAGNATION TEMPERATURE INVERSION. 9 Jan 64, 7p 6refs JPRS: 22668 (p. 78-84).
Order from OTS $3.00 in TT-64-21246 (p. 78-84)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 65-69. (Abstract available)

Fedoseev, D. V. and Shteiman, S. V.
FLOW WITH FRICTION AND HEAT EXCHANGE IN A CONICAL NOZZLE. 31 Dec 63 [7p] 6refs FTD-TT-63-1040.
Order from OTS, SLA, or ETC $1.10 TT-64-13699

Unedited rough draft trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 8, p. 41-44.

Gruschwitz, E.
VARIOUS CALCULATIONS OF FLUTTER FOR AILERONS WITH HYDRAULIC SERVO-CONTROL MECHANISM (WITH DISCUSSION) [Einige Flatterrechnungen für Querruder mit Hydraulischer Servosteuerung]. Sep 63, 6p NASA N63-22268.
Order from OTS $3.00 in NASA-TT-F-81 (p. 99-105)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18.

Küssner, H. G.
A CALCULATION METHOD FOR SOLVING AEROELASTIC PROBLEMS FOR STUB WINGS AND ENTIRE AIRCRAFT (WITH DISCUSSION) [Rechenverfahren zur Lösung Aeroelastischer Aufgaben für Plattenartige Flügel und für das Ganze Flugzeug]. Sep 63, 47p NASA N63-22265.
Order from OTS $3.00 in NASA-TT-F-81 (p. 4-50)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18. (Abstract available)

Merbt, H. and Hansson, S.
DETERMINATION OF NON-STEADY AERODYNAMIC FORCES AT M = O THROUGH ELECTRIC ANALOGY (POTENTIAL TANK) (WITH DISCUSSION) [Bestimmung Instationärer Luftkräfte bei M = O mit Hilfe Elektrischer Analogie (Potentialtank)]. Sep 63, 35p NASA N63-22269.
Order from OTS $3.00 in NASA-TT-F-81 (p. 132-166)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18. (Abstract available)

Schoen, J.
STATIC VIBRATION TESTS OF SAILPLANE WITH ELECTRONIC MEASURING INSTRUMENTS (WITH DISCUSSION) [Standschwingungsversuch an einem Segelflugzeug mit Elektronischen Messgeräten]. Sep 63, 23p NASA N63-22270.
Order from OTS $3.00 in NASA-TT-F-81 (p. 167-189)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18. (Abstract available)

Sirazetdinov, T. K.
OPTIMUM PROBLEMS IN GAS DYNAMICS. 9 Jan 64, 13p 3refs JPRS: 22668 (p. 11-23).
Order from OTS $3.00 in TT-64-21246 (p. 11-23)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 11-21. (Abstract available)

Vinogradov, B. S. and Shaikhutdinov, Z. G.
AN APPROXIMATION METHOD OF CALCULATING A DETACHED BOW WAVE IN THE STREAMLINING OF BLUNT BODIES BY A SUPERSONIC FLOW.
9 Jan 64, 6p 3refs
Order from OTS $3.00 in TT-64-21246 (p. 72-77)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 60-64.

Vooren, A. I. van de.
FLUTTER CALCULATION WITH MANY DEGREES OF FREEDOM FOR MODERN AIRCRAFT (WITH DISCUSSION) [Flatterechnungen für Moderne Flugzeuge mit Vielen Freiheitsgraden]. Sep 63, 27p NASA N63-22266.
Order from OTS $3.00 in NASA-TT-F-81 (p. 51-77)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18. (Abstract available)

Vries, G. de.
RATIONAL USE FOR FLUTTER CALCULATION OF VALUES FOUND BY STATIC-VIBRATION TEST (WITH DISCUSSION) [Die Sinnvolle Einführung der im Standschwingungsversuch Gemessenen Grössen in die Flatterrechnung]. Sep 63, 21p NASA N63-22267.
Order from OTS $3.00 in NASA-TT-F-81 (p. 78-98)

Trans. from Max-Planck Institut für Strömungsforschung und [der] Aerodynamische[n] Versuchsanstalt. [Mitteilungen] (West Germany) 1958, no. 18. (Abstract available)

Yasinskii, F. G.
APPROXIMATION CALCULATIONS OF THE HEATING OF A METALLIC SKIN WITH AN OUTER LAYER OF HEAT INSULATION. 9 Jan 64, 9p 5refs
JPRS: 22568 (p. 24-32).
Order from OTS $3.00 in TT-64-21246 (p. 24-32)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 22-28. (Abstract available)

Zalmanzon, L. A. and Tal', A. A.
NEW OPPORTUNITIES FOR PNEUMATIC DEVICES.
24 Feb 64, 6p JPRS: 23352.
Order from OTS $0.50 TT-64-21628

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 10, p. 58-62.

Zarubin, V. S.
ON THE MAXIMUM TIME INTERVAL IN THE NUMERICAL CALCULATION OF KINETIC HEATING
9 Jan 64, 6p 3refs JPRS: 22668 (p. 1-6).
Order from OTS $3.00 in TT-64-21246 (p. 1-6)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 3-7.

Hydrodynamics, Hydraulics, and Hydrostatics

INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES "JAROSLAV CERNI". TRANSACTIONS, 1962, VOL. 9, NO. 24. 1963, 74p 12refs PL-480 Int.
Order from OTS $0.75 TT-62-19470/3

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1962, v. 9, no. 25.

Separate entries have been prepared for the individual articles.

INSTITUT FOR DEVELOPMENT OF WATER RESOURCES "JAROSLAV CERNI". TRANSACTIONS, 1963, VOL. 10, NO. 26. 1963, 157p 18refs PL-480 Int.
Order from OTS $1.50 TT-63-11451/1

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Separate entries have been prepared for the individual articles.

Bata, Geza.
THE HYDROLOGY OF THE SAVA AND DANUBE RIVERS IN THE REGION OF THEIR JUNCTION. 1963, 14p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 27-40)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Beta, Geza.
THE SHAPE AND THE HYDRAULIC CONDITIONS FOR THE FORMATION OF THE BEOGRAD LAKE. 1963, 13p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 103-112)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen.
MODEL OF THE BELGRADE CONFLUENCE. 1963, 13p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 69-80)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen.
THE SILTING OF A BAY. 1963, 3p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 65-67)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni" Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen and Bruk, Stevan.
CALCULATION OF THE REGULATION ELEMENTS OF THE BRANCH AND THE MAIN CHANNEL OF THE DANUBE IN THE SECTION OF VEL. RATNO OSTRVO, FOR THE VARIANT WITH AN ACTIVE BRANCH. 1963, 13p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 51-63)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen and Bruk, Stevan.
HYDRAULIC CALCULATIONS FOR REGULATION MEASURES WITH THE CLOSURE OF THE DANUBE BRANCH NEAR BEOGRAD. 1963, 9p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 41-49)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen and Todorovic.
DAMS AND STABILIZATION OF THE BEOGRAD LAKE LEVEL. 1963, 16p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 113-126)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Boreli, Mladen and Vukovic, Milan.
UNDERGROUND WATERS IN NOVI BEOGRAD. 1963, 21p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 127-138)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Bruk, Stevan.
HYDRAULIC ANALYSIS AND MODEL TESTING OF THE SAVA RIVER AT ADA CIGANLIJA. 1963, 21p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 139-157)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Bruk, Stevan.
STABILITY OF RIVER STRUCTURES IN THE SECTION OF VELIKO RATNO OSTRVO AFTER THE CLOSURE OF THE BRANCH CHANNEL. 1963, 21p PL-480 Int.
Order from OTS $1.50 in TT-63-11451/1 (p. 81-101)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1963, v. 10, no. 26.

Lyshevskii, A. S.
VARIATION IN THE VELOCITY DISTRIBUTION IN AN UNBROKEN CIRCULAR JET OF A FLUID. 9 Jan 64, 7p 6refs JPRS: 22668 (p. 106-112).
Order from OTS $3.00 in TT-64-21246 (p. 106-112)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 87-91.

Marjanovic, Dimitrije.
A CONTRIBUTION TO A MORE PRECISE DETERMINATION OF THE WATER BALANCE ON THE YUGOSLAV PART OF THE DANUBE. 1963, 16p 5refs PL-480 Int.
Order from OTS $0.75 in TT-62-19470/3 (p. 55-70)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1962, v. 9, no. 24.

Targ, S. M.
FLOW OF A VISCOUS FLUID IN DIFFUSERS. 9 Jan 64 [68p] 1ref FTD-TT-63-817.
Order from OTS, SLA, or ETC $6.60 TT-64-13659

Unedited rough draft trans. of mono. Osnovnye Zadachi Teorii Laminarnykh Techenii (Basic Problems of the Theory of Laminar Flow) [Moscow] 1951, contents and chap. 7, p. 3-6, 268-313.

Vladisavljevic, Zivko.
CHANGES IN THE REGIME OF FLOW OF THE UPPER PART OF THE YUGOSLAV DANUBE. 1963, 49p 2refs PL-480 Int.
Order from OTS $0.75 in TT-62-19470/3 (p. 5-53)

Trans. from Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1962, v. 9, no. 24.

METALLURGY

AN ELECTRIC COMPARTMENT KILN, MODEL OKB-889 WITH MOLYBDENUM DISILICIDE BURNERS. 20 Jan 64, 1p JPRS: 22804 (p. 31).
Order from OTS $2.00 in TT-64-21336 (p. 31)

Trans. of #Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) 1963, no. 10, p. 30
Another trans. is available from OTS $2.50 in TT-64-21080, JPRS-22392, 20 Dec 63, 2p.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 22. 20 Feb 64, 6p JPRS: 23319.
Order from OTS $0.50 TT-64-21612

Trans. of selected abstracts from Referativnyi Zhurnal. Met[allurgiya] (USSR) 1963, nos. 7-8.

NEW AUTOMATIC WELDING EQUIPMENT: VMS-121. UNIT. 20 Jan 64, 2p JPRS: 22804 (p. 6-7).
Order from OTS $2.00 in TT-64-21336 (p. 6-7)

Trans. of Vystavka Dostizhenii Narodnogo Khozyaistva USS. [Informatsionnyi Byulleten'] 1963, no. 9, p. 17.

SOVIET RESEARCH IN PRODUCTION AND PHYSICAL METALLURGY OF PURE METALS. 10 Jan 64, 162p 132refs JPRS: 22697.
Order from OTS $3.00 TT-64-21263

Trans. of Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4, p. 5-10, 18-33, 47-63, 69-109, 122-148, 160-181, 228-242.

Separate entries have been prepared for the individual articles.

TELLURIUM COATING FOR MOULDS AND CORES USED IN THE PRODUCTION OF METAL CASTINGS. [1964]
Order from TTIS $3.00 TTIS NS 174

Trans. of Polish patent 47,054, by Instutut Odlewnictwa appl. 13 Oct 62, pub. 29 May 63.

Alov, A. A. and Baier, W.
SOME PROBLEMS REGARDING THE FORMATION OF JOINTS WELDED WITH ULTRASONIC VIBRATIONS. Jan 64, 1900words
Order from HB $3.90 HB-6151

Trans. of #Avtomaticheskaya Svarka (USSR) 1963 [v. 16] no. 11, p. 66-71.

Badaeva, T. A.
PHASE DIAGRAMS OF SYSTEMS WITH THORIUM. Jul 63, 16p 26refs
Order from OTS $6.00 in AEC-tr-5834 (p. 321-336)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 339-357.

Badaeva, T. A. and Alekseenko, G. K.
PHASE DIAGRAM OF THE THORIUM-ZIRCONIUM SYSTEM. Jul 63, 13p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 348-360)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 369-380.

Badaeva, T. A. and Alekseenko, G. K.
STRUCTURE OF ALLOYS OF THE THORIUM-ZIRCONIUM-URANIUM SYSTEM. Jul 63, 19p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 376-394)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 395-415.

Badaeva, T. A. and Kuznetsova, R. I.
DETERMINATION OF THE SOLUBILITY OF LEAD AND TIN IN THORIUM IN THE SOLID STATE. Jul 63, 9p 1ref
Order from OTS $6.00 in AEC-tr-5834 (p. 367-375)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 387-394.

Badaeva, T. A. and Kuznetsova, R. I.
PHASE DIAGRAM OF THE URANIUM-MOLYBDENUM-CHROMIUM SYSTEM. Jul 63, 14p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 307-320)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 325-338.

Badaeva, T. A. and Kuznetsova, R. I.
STRUCTURE OF ALLOYS OF $ThBe_{13}$-UBe_{13}. Jul 63, 6p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 403-408)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 423-427.

Badaeva, T. A. and Kuznetsova, R. I.
STRUCTURE OF ALLOYS OF THE THROIUM-CERIUM SYSTEM. Jul 63, 6p 8refs
Order from OTS $6.00 in AEC-tr-5834 (p. 361-366)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 381-386.

Badaeva, T. A. and Kuznetsova, R. I.
STRUCTURE OF THORIUM-BERYLLIUM ALLOYS. Jul 63, 11p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 337-347)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 358-368.

Badaeva, T. A. and Rybakova, L. I.
JOINT SOLUBILITY OF THORIUM AND URANIUM IN LIQUID BISMUTH. Jul 63, 8p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 395-402)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 416-422.

Bagaryatskii, Yu. A. and Nosova, G. I.
$\beta \rightarrow \omega$ TRANSFORMATION IN TITANIUM ALLOYS DURING QUENCHING A MARTENSITIC TRANSFORMATION OF SPECIAL KIND. Paper from International Congress and Symposium of International Union of Crystallography (no. 5). [1963] [14p] 44refs
C. E. Trans. 2674.
Order from OTS, SLA, or ETC $1.60 TT-63-23954

Trans. of #Fiz[ika] Met[allov i] Metallov[edenie] (USSR) 1962, v. 13, no. 3, p. 415-426. (Abstract available)

Bal'shin, M. Yu. and Tai, Shou-hui.
PROBLEMS OF THERMAL SHOCK RESISTANCE (OF METAL-POWDER COMPACTS). Jan 64, 2200words
Order from HB $6.50 HB-6040

Trans. of Akad[emiya] Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvest[iya]: Metallurgiya i Toplivo, 1961, no. 3, p. 73-76. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-62-13580, FTD-TT-61-160, 3 Nov 61 [11p].

Bal'shin, M. Yu. and Trofimova, A. A.
EFFECT OF LOAD ON THE SINTERING OF METAL POWDERS AT CONSTANT TEMPERATURE. Jan 64, 2400words
Order from HB $6.60 HB-6149

Trans. of Akad[emiya] Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvest[iya]: Met[allurgiya i] Topl[ivo] 1961, no. 6, p. 45-51. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-62-25307, DSIR NLL M.3638, Feb 62 [11p].

Beskorovainyi, N. M. and Zuev, M. T.
CORROSION RESISTANCE OF TITANIUM IN LITHIUM. 10 Jan 64, 6p 4refs JPRS: 22697 (p. 118-123).
Order from OTS $3.00 in TT-64-21263 (p. 118-123)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Beskorovainyi, N. M., Eremeev, V. S., Zuev, M. T., Ivanov, V. K., and Tomashpol'skii, Yu. Ya.
CORROSION RESISTANCE OF IRON IN LITHIUM. 10 Jan 64, 12p 7refs JPRS: 22697 (p. 106-117).
Order from OTS $3.00 in TT-64-21263 (p. 106-117)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4. (Abstract available)

Beskorovainyi, N. M., Zuev, M. T., and Eremeev, V. S.
REACTION OF AUSTENITE CHROMIUM-NICKEL STEEL WITH LIQUID LITHIUM. 10 Jan 64, 9p 4refs JPRS: 22697 (p. 97-105).
Order from OTS $3.00 in TT-64-21263 (p. 97-105)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Bidulya, P. N. and Baldov, A. L.
THE CRYSTALLIZATION OF LIQUID METAL IN OSCILLATORY CENTRIFUGAL CASTING. Jan 64, 1900words
Order from HB $4.50 HB-6159

Trans. of Liteinoe Proizvodstvo (USSR) 1963, no. 9, p. 28-29.

Brovman, M. Ya. and Surin, E. V.
CALCULATION OF THERMAL STRESSES IN AN INGOT DURING CRYSTALLIZATION. 31 Dec 63, 12p 4refs JPRS: 22553 (p. 142-153).
Order from OTS $3.50 in TT-64-21181 (p. 142-153)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 106-113].

Bychkov, Yu. F., Ivanov, V. A., and Rozanov, A. N.
THE FORMATION OF SCALE WITH A STRUCTURE $6ZrO_2 \cdot Nb_2O_5$ ON ALLOYS OF ZIRCONIUM WITH NIOBIUM. 10 Jan 64, 12p 8refs JPRS: 22697 (p. 27-38).
Order from OTS $3.00 in TT-64-21263 (p. 27-38)

Trans. of Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Dashkovskii, A. L., Rozanov, A. N., Bychkov, Yu. F., and Laptev, I. D.
CHANGES OF PROPERTIES DURING CYCLIC THERMAL TREATMENT, DURABILITY AND INTERNAL FRICTION OF SAP. 10 Jan 64, 14p 8refs JPRS: 22697 (p. 124-138).
Order from OTS $3.00 in TT-64-21263 (p. 124-138)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Emel'yanov, V. N. and Borkov, N. V.
THE EFFECT OF HYDROGEN AND NITROGEN ON THE CORROSION RESISTANCE OF ZIRCONIUM IN WATER AND STEAM. 10 Jan 64, 19p 7refs
JPRS: 22697 (p. 8-26)
Order from OTS $3.00 in TT-64-21263 (p. 8-26)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Emel'yanov, V. S., Evstyukhin, A. I., and Abanin, D. D.
THE IODIDE METHOD OF REFINING ZIRCONIUM: THE TRANSFER OF NONMETALLIC ADDITIONS DURING REFINING. 10 Jan 64, 7p 7refs JPRS: 22697 (p. 1-7).
Order from OTS $3.00 in TT-64-21263 (p. 1-7)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Emel'yanov, V. S., Evstyukhin, A. I., Leont'ev, G. A., and Semenikhin, A. N.
OBTAINING MOLYBDENUM SINGLE CRYSTALS AND THEIR PROPERTIES. 10 Jan 64, 7p 6refs JPRS: 22697 (p. 39-45).
Order from OTS $3.00 in TT-64-21263 (p. 39-45)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4. (Abstract available)

Epifanov, G.I.
DEUX THÉORIES DE LA COUPE DES MÉTAUX (On Two Theories of Metal Cutting). 14p. 9refs.
CNRS-XVII 267.
Order from OTS, ETC or CNRS $0.80 TT-62-28248

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1952, v.22, no.3, p.467-473.

Evstyukhin, A. I., Nikishanov, V. V., and Milov, L. V.
INVESTIGATION OF THE DISTRIBUTION OF ADDITIONS IN NIOBIUM AFTER ZONE REFINING.
10 Jan 64, 18p 33refs JPRS: 22697 (p. 46-63).
Order from OTS $3.00 in TT-64-21263 (p. 46-63)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4. (Abstract available)

Gomozov, L. I. and Ivanov, O. S.
THE BEHAVIOR OF ALLOYS OF THE URANIUM-ZIRCONIUM-NIOBIUM SYSTEM DURING QUENCHING AND TEMPERING. Jul 63, 13p 9refs
Order from OTS $6.00 in AEC-tr-5834 (p. 118-130)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 128-140.

Gribanov, Yu. I., Karmilov, A. G., and Lednev, I. A.
INSTALLATION FOR THE X-RAY STRUCTURAL ANALYSIS OF RADIOACTIVE MATERIALS. 10 Jan 64, 17p 12refs JPRS: 22697 (p. 146-162).
Order from OTS $3.00 in TT-64-21263 (p. 146-162)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Harms, F.
ON THE ELECTRIC ARC FURNACE WITH SPECIAL REFERENCE TO LARGE CAPACITY UNITS FOR STEEL PRODUCTION, PT. II. Jan 64, 5800words
Order from HB $13.50 HB-6035

Trans. of Stahl und Eisen (West Germany) 1963, v. 83, no. 5, p. 265-270.

Herrmann, Erhard.
A SURVEY OF THE ATTEMPTS FOR THE ELECTROTHERMAL PRODUCTION OF ALUMINUM.
[1963] 54p (figs tables omitted)
Order from SLA $5.60 TT-64-10368

Trans. of Zeitschrift fllr Metallkunde (West Germany) 1962, v. 53, no. 10, p. 617-632.

Ivanov, O. S. and Alekseeva, Z. M.
INVESTIGATION OF ALLOYS OF THE TRIPLE SYSTEM UC-ThC-ZrC. Jul 63, 7p 4refs
Order from OTS $6.00 in AEC-tr-5834 (p. 430-436)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 450-456.

Ivanov, O. S. and Alekseeva, Z. M.
INVESTIGATION OF THE STRUCTURE OF ALLOYS OF THE SYSTEMS UC-ZrC, UC-ThC, AND ThC-ZrC. Jul 63, 11p 4refs
Order from OTS $6.00 in AEC-tr-5834 (p. 419-429)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 438-449.

Ivanov, O. S. and Alekseeva, Z. M.
INVESTIGATION OF THE THORIUM-URANIUM MONOCARBIDE SYSTEM. Jul 63, 10p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 409-418)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 428-437.

Ivanov, O. S. and Bagrov, G. N.
BEHAVIOR OF THE γ-SOLID SOLUTION OF THE URANIUM-MOLYBDENUM-ZIRCONIUM SYSTEM DURING QUENCHING AND TEMPERING. Jul 63, 8p
Order from OTS $6.00 in AEC-tr-5834 (p. 177-184)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 191-197.

Ivanov, O. S. and Bagrov, G. N.
INVESTIGATION OF ALLOYS OF THE URANIUM-ZIRCONIUM SYSTEM. Jul 63, 15p 15refs
Order from OTS $6.00 in AEC-tr-5834 (p. 3-17)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 5-19.

Ivanov, O. S. and Bagrov, G. N.
ISOTHERMAL CROSS SECTIONS AT 600, 575, AND 500°, POLYTHERMAL SECTIONS, AND THE PHASE DIAGRAM OF THE TRIPLE SYSTEM URANIUM-MOLYBDENUM-ZIRCONIUM. Jul 63, 23p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 154-176)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 166-190.

Ivanov, O. S. and Bagrov, G. N.
ISOTHERMAL CROSS SECTIONS OF THE TRIPLE SYSTEM URANIUM-MOLYBDENUM-ZIRCONIUM AT 1000-625°. Jul 63, 23p 4refs
Order from OTS $6.00 in AEC-tr-5834 (p. 131-153)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 141-165.

Ivanov, O. S., Badaeva, T. A., Semenchenkov, A. T., and Kuznetsova, R. I.
A STUDY OF THE STRUCTURE OF THE URANIUM-MOLYBDENUM SYSTEM AT 600-1200° AND THE PROPERTIES OF ITS ALLOYS. Jul 63, 18p 5refs
Order from OTS $6.00 in AEC-tr-5834 (p. 45-62)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 48-67.

Ivanov, O. S. and Gomozov, L. I.
PHASE DIAGRAM OF URANIUM-ZIRCONIUM-NIOBIUM: RADIAL SECTIONS OF THE SYSTEM. Jul 63, 13p 10refs
Order from OTS $6.00 in AEC-tr-5834 (p. 85-97)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 93-106.

Ivanov, O. S. and Gomozov, L. I.
PHASE DIAGRAM OF URANIUM-ZIRCONIUM-NIOBIUM: SECTIONS WITH CONSTANT URANIUM CONTENT AND THE POLYTHERMAL DIAGRAM OF THE SYSTEM. Jul 63, 20p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 98-117)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 107-127.

Ivanov, O. S. and Terekhov, G. I.
ISOTHERMAL CROSS SECTIONS FOR 560, 500° AND THE PHASE DIAGRAM OF THE TRIPLE SYSTEM URANIUM-NIOBIUM-MOLYBDENUM. Jul 63, 13p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 200-212)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 214-227.

Ivanov, O. S. and Terekhov, G. I.
ISOTHERMAL CROSS SECTIONS FOR 1200-575° AND PHASE DIAGRAMS OF THE URANIUM-NIOBIUM-MOLYBDENUM SYSTEM. Jul 63, 19p 1ref
Order from OTS $6.00 in AEC-tr-5834 (p. 213-231)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 228-248.

Ivanov, O. S. and Terekhov, G. I.
PHASE DIAGRAM AND STRUCTURE OF ALLOYS OF THE URANIUM-NIOBIUM SYSTEM. Jul 63, 15p 1ref
Order from OTS $6.00 in AEC-tr-5834 (p. 18-32)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 20-34.

Ivanov, O. S. and Terekhov, G. I.
POLYTHERMAL CROSS SECTIONS OF THE PHASE DIAGRAM OF THE SYSTEM URANIUM-NIOBIUM-MOLYBDENUM. Jul 63, 15p 7refs
Order from OTS $6.00 in AEC-tr-5834 (p. 185-199)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 198-213.

Ivanov, O. S. and Terekhov, G. I.
TRANSFORMATIONS OF THE γ-SOLID SOLUTION DURING QUENCHING AND TEMPERING IN THE URANIUM-NIOBIUM AND URANIUM-NIOBIUM-MOLYBDENUM SYSTEMS. Jul 63, 16p 6refs.
Order from OTS $6.00 in AEC-tr-5834 (p. 232-247)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 249-264.

Ivanov, O. S. and Virgil'ev, Yu. S.
DECOMPOSITION OF THE γ-SOLID SOLUTION OF URANIUM AND NIOBIUM. Jul 63, 12p 1ref
Order from OTS $6.00 in AEC-tr-5834 (p. 33-44)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 35-47. (Abstract available)

Ivanov, O. S. and Virgil'ev, Yu. S.
INVESTIGATION OF THE STABILITY OF THE γ-SOLID SOLUTION, FIXED BY QUENCHING, IN ALLOYS OF URANIUM-ZIRCONIUM-NIOBIUM-MOLYBDENUM DURING PROLONGED TEMPERING AT 430-550°. Jul 63, 11p 1ref
Order from OTS $6.00 in AEC-tr-5834 (p. 278-288)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 296-305.

Ivanov, O. S. and Virgil'ev, Yu. S.
STRUCTURE OF QUATERNARY ALLOYS OF THE URANIUM-ZIRCONIUM-NIOBIUM-MOLYBDENUM SYSTEM AT 1000 AND 800°. Jul 63, 30p 11refs
Order from OTS $6.00 in AEC-tr-5834 (p. 248-277)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 265-295.

Ivanov, O. S. and Virgil'ev, Yu. S.
TRANSFORMATION OF THE γ-SOLID SOLUTION IN DOUBLE ALLOYS OF URANIUM AND MOLYBDENUM. Jul 63, 5p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 80-84)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 87-92.

Ivanov, O. S., Semenchenkov, A. T., and Kozlova, N. I.
A STUDY OF THE STRUCTURE OF THE URANIUM-MOLYBDENUM SYSTEM AT TEMPERATURES BELOW 600° AND OF THE PHASE DIAGRAM OF THE SYSTEM. Jul 63, 17p 3refs
Order from OTS $6.00 in AEC-tr-5834 (p. 63-79)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 68-86.

Jovanovic, D. S.
THE INFLUENCE OF THE FLUID AND THE POWDER CONCENTRATION ON ORTHOKINETIC FLOCCULATION IN SUSPENSIONS. I. CALCULATION OF AVERAGES BY NUMERICAL INTEGRATION. 1963, 13p 4refs PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 206-218)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 206-218. (Abstract available)

Jovanovic, D. S.
THE INFLUENCE OF THE FLUID AND THE POWDER CONCENTRATION ON ORTHOKINETIC FLOCCULATION IN SUSPENSIONS. II. INVESTIGATION OF METAL ALUMINUM SUSPENSIONS. 1963, 14p 3refs PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 219-232)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 219-232. (Abstract available)

Knotek, O.
ON THE WEAR RESISTANCE OF SINTERED HARD METALS AND HARD ALLOYS. Jan 64, 4600words
Order from HB $12.50 HB-5919

Trans. of Jernkontoret [Stockholm]. Annaler (Sweden) 1963, v. 147, no. 1, p. 116-132. (Abstract available)

Korobkov, L. I., Revyakin, B. N., and Chen', Khe-min.
ELECTRON DIFFRACTION AND X-RAY PHOTOGRAPHIC INVESTIGATION OF OXIDE FILMS ON NIOBIUM. 10 Jan 64, 15p 14refs JPRS: 22697 (p. 64-78).
Order from OTS $3.00 in TT-64-21263 (p. 64-78)

Trans. of Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4. (Abstract available)

Korobkov, L. I., Revyakin, B. N., and Chen', Khe-min.
INVESTIGATION OF THE KINETICS OF THE OXIDATION OF IODIDE NIOBIUM REFINED BY THE ELECTRON-BEAM METHOD. 10 Jan 64, 18p 14refs JPRS: 22697 (p. 79-96).
Order from OTS $3.00 in TT-64-21263 (p. 79-96)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Milov, L. V., Skorov, D. M., and Nikishanov, V. V.
THE MECHANICAL PROPERTIES OF BERYLLIUM AFTER ZONE RECRYSTALLIZATION. 10 Jan 64, 7p 8refs JPRS: 22697 (p. 139-145).
Order from OTS $3.00 in TT-64-21263 (p. 139-145)

Trans. from Metallurgiya i Metallovedenie Chistykh Metallov (USSR) 1963, v. 4.

Nakayama, K. and others.
SINTERING TEST ON FUEL ADDITIONS TO SEMI-PELLETS. Jan 64, 1000words
Order from HB $3.50 HB-6111

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1281-1282.

Ovchinnikov, B.A.
ELIMINATION MÉCANIQUE DES RÉSIDUS DES FOURS Á PYRITE (Mekhanizatsiya Udaleniya Ogarkov Kolchedannykh Pechei) (Mechanical Elimination of Residues from Pyrite Furnaces). 8p. (foreign text included) CNRS-VI 567.
Order from OTS, ETC or CNRS $1.10 TT-62-28701

Trans. in French of Bumazhnaya Promyshlennost' (USSR) 1960, v. 35, no. 4, p. 15-16.
Trans. in Spanish is available from OTS, ETC or CID $1.10 as 62-26759, CID 62-110, 9p.

Pahlitzsch, Gotthold.
THE BEHAVIOR OF DIAMOND GRINDING WHEELS DURING THE GRINDING OF HARD METALS [1963] [23p] (figs omitted) 11refs
Order from SLA $2.60 TT-64-10396

Trans. of V[erein] D[eutscher] I[ngenieure]. Z[eitschrift] (West Germany) 1959, v. 101, no. 25 [p. 1181-1189].

Potapova, E. M., ed.
THE STRUCTURE OF ALLOYS OF CERTAIN SYSTEMS CONTAINING URANIUM AND THORIUM. Jul 63, 469p 174refs N64-13908.
Order from OTS $6.00 AEC-tr-5834

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961 [489p]. (Abstract available)
Separate entries have been prepared for the individual articles.

Semenchenkov, A. T. and Ivanov, O. S.
STRUCTURE OF URANIUM-ZIRCONIUM-TITANIUM ALLOYS. Jul 63, 13p 16refs
Order from OTS $6.00 in AEC-tr-5834 (p. 294-306)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 312-324.

Soltyk, V. Ya. and Klibus, A. V.
AUTOMATIC CONTROL OF AIR BLAST (IN CUPOLAS). Jan 64, 1000words
Order from HB $3.00 HB-6153

Trans. of Liteinoe Proizvodstvo (USSR) 1963, no. 10, p. 15. (Abstract available)

Tikidzhiev, R.
A NEW INDEX OF THE METALLURGICAL INDUSTRY. 19 Nov 63, 4p JPRS: 21915 (p. 22-25)
Order from OTS $0.75 in TT-63-41163 (p. 22-25)

Trans. from Ekonomicheskaya Gazeta (USSR) 1963, no. 38[111] p. 17.

Utahashi, C. and others.
EFFECT OF COOLING CONDITIONS ON THE FIRE CRACKING OF SLABBING-MILL ROLLS. Jan 64, 1500words
Order from HB $5.25 HB-6082

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1617-1618.

Virgil'ev, Yu. S.
NONMETALLIC INCLUSIONS IN ALLOYS OF URANIUM WITH ZIRCONIUM, NIOBIUM AND MOLYBDENUM. Jul 63, 5p 5refs
Order from OTS $6.00 in AEC-tr-5834 (p. 289-293)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 306-311.

Voronov, N. M. and Sofronova, R. M.
REACTION OF URANIUM DIOXIDE WITH BARIUM OXIDE. Jul 63, 8p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 462-469)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 482-489.

Voronov, N. M., Danilin, A. S., and Kovalev, I. T.
STRUCTURE OF ALLOYS OF THORIUM OXIDE WITH ZIRCONIUM OXIDE. Jul 63, 10p 2refs
Order from OTS $6.00 in AEC-tr-5834 (p. 437-446)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 457-466.

Voronov, N. M., Voitekhova, E. A., and Kovalev, I. T.
PHASE DIAGRAM OF THE URANIUM DIOXIDE-ZIRCONIUM OXIDE SYSTEM. Jul 63, 15p 5refs
Order from OTS $6.00 in AEC-tr-5834 (p. 447-461)

Trans. of mono. Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 467-481.

Zboril, J.
PLASMA ARC MELTING AND REFINING OF METALS. Jan 64, 1500words
Order from HB $4.30 HB-6070

Trans. of Hutnicke Listy (Czechoslovakia) 1963, v. 18, no. 6, p. 401-403. (Abstract available)

Ferrous Metals

ANALYSE RAPIDE DES ACIERS ET DU FER. ESTIMATION DOSAGE DE L'ALUMINIUM DANS LE FER ET LES ACIERS. MÉTHODE PHOTOMÉTRIQUE A L'ALUMINIUM (Rapid Analysis of Steel and Iron. Estimation of Aluminum in Iron and Steel. Photometric Method with Aluminum. 8p. CNRS-XVII 448.
Order from OTS, ETC or CNRS $1.10 TT-62-28232

Trans. in French of Unidentified Japanese language article n.d.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 161. 19 Nov 63, 25p JPRS: 21915.
Order from OTS $0.75 TT-63-41163

Consists of 19 articles from 1963 issues of Russian journals and newspapers. Separate entries have been prepared for 4 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 168. 15 Jan 64, 21p JPRS: 22736.
Order from OTS $0.75 TT-64-21293

Consists of 10 articles from 1963 issues of Russian journals and newspapers.

A separate entry has been prepared for 1 article.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 173. 30 Jan 64, 34p JPRS: 22985.
Order from OTS $1.00 TT-64-21433

Trans. of 24 selected articles from Oct-Nov 63 issues of various Soviet newspapers.

Separate entries have been prepared for 2 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 174. 24 Feb 64, 43p JPRS: 23357.
Order from OTS $1.25 TT-64-21630

Trans. of 10 selected articles from Nov 63-Jan 64 issues of various Soviet publications.

Antonovskaya, E.I. and Sukhotin, A.M.
SUR LES PARTICULARITÉS DE L'ACTIVATION ANODIQUE DU CHROME ET DES ACIERS AU CHROME II (Ob Osobennostyakh Anodnogo Aktivirovaniya Khroma i Khromistykh Stalei . II) (Peculiarities of the Anodic Activation of Chromium and Chromium Steels. II) 14p. (foreign text included) 5refs. CNRS-VIII bis 584.
Order from OTS, ETC or CNRS $0.80 TT-62-28263

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1958, v.32, no.8, p.1842-1846.
Trans. in English available from ATS $8.00 as ATS-63M41R.

Billigmann, J. and others.
INVESTIGATION INTO THE WORKABILITY OF COLD-HEADING STEELS: GENERAL DISCUSSION (CONCLUSION). Jan 64, 3400words
Order from HB $9.50 HB-5070

Trans. of Stahl und Eisen (West Germany) 1951, v. 71, no. 16, p. 836-839.

Braun, M. P. and Vinokur, B. B.
CREEP-RESISTING STEELS WITH VARIOUS ALLOYING ADDITIONS. Jan 64, 1100words
Order from HB $3.90 HB-6164

Trans. of Akad[emiya] Nauk URSR [Kiev]. Dopovidi, 1963, no. 9, p. 1190-1193. (Abstract available)

Braverman, E. A.
MECHANIZATION AND AUTOMATION OF OPERATIONS IN FINISHING OF ROLLED STOCK. 19 Nov 63, 2p JPRS: 21915 (p. 4-5).
Order from OTS $0.75 in TT-63-41163 (p. 4-5)

Trans of V[ystavka] D[ostizhenii] N[arodnogo] Kh[ozyaistva] SSR. [Informatsionnyi Byulleten'] 1963, no. 9, p. 9.

Enikeeva, M.Z., Krivolanov, S.S. and others.
RÉDUCTION DES MINERAIS DE FER À L'AIDE DU GAZ DE PÉTROLE MÉLANGÉ À LA VAPEUR D'EAU (Reduction of Iron Minerals With Mixtures of Petroleum Gas and Watervapor). 19p. 21refs. CNRS-XVII 565.
Order from OTS, ETC or CNRS $1.60 TT-62-28218

Trans. in French of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo, 1959, no. 4, p. 32-41].
Other translations are available in English from HB $8.50 as HB-4826, July 60, 3300 words or from ATS $14.75 as ATS-63M42R [1960] 10p.

Höller, P. and Lechky, E.
ULTRASONIC INSPECTION OF STEEL SHEET AND PLATE WITH LAMB WAVES, PT. I. Jan 64, 3900words
Order from HB $11.70 HB-5764

Trans. of Archiv [für das] Eisenhüttenwesen (West Germany) 1962, v. 33, no. 10, p. 699-704. (Abstract available)

Kagan, A.S., Rass, T.G. and Gorazdovskii, T.Ya.
QUELQUES RÈGLES DE FORMATION DE L'AUSTENITE DITE "AUSTENITE DE FROTTEMENT DANS LES ACIERS"(Nekotorye Zakonomernosti Obrazovaniya Tak Nazyvaemogo "Austenita Treniya") (Certain Laws Concerning the Formation of What is Known as "Friction Austenite"). 11p. (foreign text included) 8refs. CNRS-XVII 613.
Order from OTS, ETC or CNRS $0.80 TT-62-28804

Trans. in French of *Fizika Metallov i Metallovedenie (USSR), 1961 [v. 12] no. 4, p. 617-619.

Kamada, H. and Şato, K.
DOSAGE PHOTOMÉTRIQUE DE L'AZOTE DANS L'ACIER - MICRODOSAGE COLORIMÉTRIQUE DE L'AZOTE DANS LES ACIERS (Photometric Determination of Nitrogen in Steel). 21p. (foreign text included) 8 refs. CNRS-VII 51.
Order from OTS, ETC or CNRS $2.60 TT-62-28740

Trans. in French of Bunseki Kagaku (Japan) 1957, v.6, no.3, p.150-154.

Neuhaus, N., Langhammer, H. J., Kosmider, H., and Schenck, H.
POSSIBILITIES OF SULFUR REMOVAL FROM STEEL BY WAY OF THE GAS PHASE IN THE BASIC-OXYGEN PROCESSES. Jan 64, 7600words
Order from HB $18.50 HB-5709

Trans. of Stahl und Eisen (West Germany) 1962, v. 82, no. 19, p. 1279-1287. (Abstract available)

Petrov, A. K., Petrov, V. K., and Mokhir, E. D.
EFFECT OF ALLOYING PRACTICE UPON QUALITY OF ALUMINUM-CONTAINING CONSTRUCTIONAL STEELS. Jan 64, 2200words
Order from HB $5.70 HB-5080

Trans. of Stal' (USSR) 1958, v. 18, no. 8, p. 742-744. (Abstract available)

Razuvaev, I.
NEW PARAFFIN-STEARIN MOLDING METHOD SUCCESSFUL AT METALLIST PLANT. 30 Jan 64, 1p JPRS: 22985 (p. 1)
Order from OTS $1.00 in TT-64-21433 (p. 1)

Trans. from Pravda, Leningrad (USSR) 1963, 24 Oct.

Sofroni, L. and others.
GAS CONTENT AND NONMETALLIC INCLUSIONS IN (RUMANIAN) PIG IRONS. Jan 64, 2400words
Order from HB $6.90 HB-5703

Trans. of [Academia Republicii Populare Romine. Centrul de Cercetari Metalurgice]. Studii si Cercetari de Metalurgie, 1962 [v. 7] no. 1, p. 73-87.

Strumilin, S.
IVAN PAVLOVICH BARDIN: HIS LIFE AND WORK ON THE OCCASION OF HIS EIGHTIETH BIRTHDAY. 30 Jan 64, 2p JPRS: 22985 (p. 13-14).
Order from OTS $1.00 in TT-64-21433 (p. 13-14)

Trans. from Sovetskaya Kirgiziya (USSR) 1963, 13 Nov, p. 4.

Thieme, J.
EFFECT OF VACUUM DEGASSING OF CAST IRON MELTED UNDER ATOMOSPHERIC CONDITIONS. Jan 64, 5200words
Order from HB $12.80 HB-6084

Trans. of Giesserei (West Germany) 1963, v. 50, no. 2, p. 602-609.

Turovskii, B. M. and Lyubimov, A. P.
THE EFFECT OF A MODIFYING AGENT UPON THE VISCOSITY OF CAST IRON (Vliyanie Modifitsirovaniya na Vyazkost' Chuguna). [1963] [9p] (foreign text included) 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-10563

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 9, p. 5-7.

Vasil'eva, A. G.
EFFECT OF ULTRASONIC VIBRATIONS ON THE HARDENABILITY OF STEEL. Jan 64, 600words
Order from HB $2.80 HB-6184

Trans. of #Metallovedenie i Term[icheskaya] Obrab[otka] Met[allov] (USSR) 1964, no. 1, p. 55-56. (Abstract available)

Vit'ko, P. I., Roitman, V. I., and Voznyi, A. V.
QUALITY CONTROL FOR STEEL TUBES. 15 Jan 64, 4p 2refs JPRS: 22736 (p. 4-7)
Order from OTS $0.75 in TT-64-21293 (p. 4-7)

Trans. of Khimicheskoe Mashinostroenie (USSR) 1963 [v. 5] no. 4, p. 35-36.
Another trans. is available from HB $2.80 as HB-6126, Nov 63, 800words.

Zemskov, G. V. and others.
NITRIDING OF STEEL INTENSIFIED BY ULTRASOUND. Jan 64, 1400words
Order from HB $4.20 HB-6183

Trans. of #Metallovedenie i Term[icheskaya] Obrab[otka] Met[allov] (USSR) 1964, no. 1, p. 52-55.

Nonferrous (except light) Metals

USSR INDUSTRIAL DEVELOPMENT: SOVIET NONFERROUS METALLURGY NO. 84. 20 Feb 64, 22p JPRS: 23321.
Order from OTS $0.75 TT-64-21613

Consists of 3 journal articles and 21 news briefs from selected Russian peroidicals.

Separate entries have been prepared for the 3 articles.

Golubev, A. T.
MECHANIZATION OF THE LOADING OF A CHARGE INTO AN ELECTRIC FURNACE FOR SMELTING COBALT. 20 Feb 64, 3p JPRS: 23321.
Order from OTS $0.75 in TT-64-21613 (p. 8-10)

Trans. of Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR) 1963, no. 12, p. 7-8.

Grebenshchikov, L. S., Gikal, N. K., and Shkuratov, O. G.
EPM-50 ELECTROFILTER FOR CLEANING MINE AIR OF DUST. 20 Feb 64, 4p JPRS: 23321.
Order from OTS $0.75 in TT-64-21613 (p. 4-7)

Trans. of Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR) 1963, no. 12, p. 5-7.

Kubelik, Ya.
BIMETAL BEARING OF SINTERED LEADED BRONZE (Bimetallicheskie Podshipniki iz Spechennoi Svintsovistoi Bronzy). Dec 63 [12p] 4refs RTS-2353.
Order from OTS, SLA, or ETC $1.60 TT-64-13382

Trans. of Poroshkovaya Metallurgiya (USSR) 1961, v. 1, no. 2, p. 108-115.

Ozerov, R.P.
BRONZES VANADIQUES OXYDES À PARTIR DES ÉLÉMENTS DU PREMIER GROUPE DU SYSTÈME PÉRIODIQUE (Kislorodnye Vanadievye Bronzy Elementov Pervoi Gruppy Periodicheskoi Sistemy) (Vanadium Bronzes of Elements in the First Group of the Periodic System). 24p. (foreign text included) 25refs. CNRS-XVII 612.
Order from OTS, ETC or CNRS $0.92 TT-62-28803

Trans. in French of #Zhurnal Neorganicheskoi Khimii (USSR) 1959, v.4. no.5, p.1047-1054.

Shandrenko, G. I., Gridin, A. D., and Drobyazin, V. N.
LARGE NONFERROUS ALLOY CENTRIFUGAL CASTINGS. Jan 64, 900words
Order from HB $2.70 HB-6148

Trans. of Liteinoe Proizvodstvo (USSR) 1963, no. 10, p. 45. (Abstract available)

DESCRIPTORS: *Castings, Casting alloys, *Centrifugal casting, Economics.

Sobiev, B. M.
ORE PEBBLE MILLING AS A METHOD OF REDUCING THE COST OF ORE CONCENTRATION.
20 Feb 64, 3p JPRS: 23321.
Order from OTS $0.75 in TT-64-21613 (p. 1-3)

Trans. of Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR) 1963, no. 12, p. 84-85.

Tumanov, V. I.
PHYSICAL PROPERTIES OF TUNGSTEN CARBIDE-COBALT HARD METALS. Jan 64, 2300words
Order from HB $6.90 HB-6141

Trans. of Akad[emiya] Nauk SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izvest[iya]: Met[allurgiya i] Topl[ivo] 1961, no. 6, p. 144-148. (Abstract available)

Zabransky, Z.
INFLUENCE DU pH DURANT LA MARCHE DE L'ANALYSE POLAROGRAPHIQUE DE L'AMALGAME DE CADMIUM (Effect of pH on the Polarographic Behaviour of Cadmium Amalgam). 7p. 9refs. CNRS-VIII bis 586.
Order from OTS, ETC or CNRS $1.10 TT-62-26537

Trans. in French of Chemicke Listy (Czechoslovakia) 1958 [v. 52] p. 2175-2177.

Structural Metallurgy and Corrosion

Blanter, M. E., Kuznetsov, L. L., and Metashov, L. A.
LOSS OF STRENGTH AND RECRYSTALLIZATION PROCESSES IN FERROUS AND NICKEL ALLOYS. (Razuprochenenie i Rekristallizatsionnye Protsessy v Zheleznykh i Nikelevykh Splavakh). Aug 61 [16p] (foreign text included) 5refs [DSIR] NLL M. 3509.
Order from OTS, SLA, or ETC $1.60 TT-63-23382

Trans. of Nauch[no]-Tekh[nicheskoe] Obshch[estvo] Mashinostr[oitel'noi] Prom[yshlennosti]. Sektsii Metalloved[eniya i] Term[icheskoi] Obrab[otki] Met[allov]. Trudy (USSR) 1960, v. 2, p. 3-11.

Labutin, A. L. and Mal'shina, L. P.
CORROSION OF STEEL IN SULFURIC ACID AND FORMALDEHYDE MIXTURES. Jan 64, 750words
Order from HB $2.70 HB-6109

Trans. of Khimicheskoe Mashinostroenie (USSR) 1963 [v. 5] no. 4, p. 28-29. (Abstract available)

Mankina, N. N. and Sobolev, B. N.
THE EFFECT OF HYDRAZINE ON THE PROCESS OF IRON OXIDE SCALE FORMATION [Mekhanizm Vliyaniya Gilrazina na Protsess Zheleznookisnogo Nakipeobrazovaniya]. [1963] [7p] 9refs C. E. Trans. 2769.
Order from OTS, SLA, or ETC $1.10 TT-63-23965

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 3, p. 48-50. (Abstract available)
Another trans. is available from OTS or SLA $1.60 as TT-63-15700 [1962] 13p (foreign text included).

Rebinder, P.A. and Venstrem, E.K.
ABAISSEMENT ELECTROCAPILLAIRE DE LA DURETE DES METAUX (Elektrokapillyarnyi Effekt Ponizheniya Tserdosti Metallov) (Electrocapillary Lowering of the Metal Hardness). 24p. 17refs. CNRS-XVII 617.
Order from OTS, ETC or CNRS $0.90 TT-62-29302

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1945, v.19, no.1-2, p.1-14.

Shvarts, G. L. and Volikova, I. G.
THE EFFECT OF THE VELOCITY OF THE MEDIUM ON THE CORROSION OF STEEL 1Kh18N9T (Vliyanie Skrosti Dvizheniya Spedy no Korroziyu Stali 1k18n9t). Jun 61 [26p] (foreign text included) 2refs [DSIR] NLL M. 3506.
Order from OTS, SLA, or ETC $2.60 TT-63-23380

Trans. of Vsesoyuz[nyi] Nauch[no]-Issled[ovatel'skii] i Konstr[uktorskii] Inst[itut] Khim[icheskogo] Mashinostr[oeniya]. Sbornik Statei (USSR) 1958, v. 25, p. 75-86. (Abstract available)
Another trans. is available from BISI £5 as BISI-2293, May 62.

Venstrem, E.K. and Rehbinder, P.A.
ÉLÉVATION DE LA DÉFORMABILITÉ À L'ÉTIREMENT DES MÉTAUX PAR EFFET ÉLECTROCAPILLAIRE (Elektrokanillyarnyi Effekt Oblegcheniya Deformatsii Rastyazheniya Metallov) (The Electrocapillary Effect of Promoting the Extension Deformation of Metals). 20p. (foreign text included) 15refs. CNRS-XVII 607.
Order from OTS, ETC or CNRS $0.80 TT-62-28592

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1952, v. 26, no. 12, p. 1847-1853.

Zhuchkova, N. K. and others.
PROTECTING WATER PURIFICATION FILTERS AGAINST CORROSION BY MEANS OF PAINT. [1964].
Order from TTIS $8.00 TTIS NS 166

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1963, no. 1, p. 42-43.

NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY

BULLETIN OF THE BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES, 1963, VOL. 14, NO. 4. D. Ladjevac and G. Todorovic, trs. 1963 [66p] 40refs PL-480 AEC.
Order from OTS $0.75 AEC-tr-5737/4

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 187-252.

Separate entries have been prepared for the individual articles.

MATERIAL FROM THE WORKING CONFERENCE ON SLOW-NEUTRON PHYSICS, 7-12 DEC 61: SELECTED ARTICLES. 14 Jan 64 [358p] (figs omitted) refs FTD-TT-64-22.
Order from OTS, SLA, or ETC $21.00 TT-64-13621

Unedited rough draft trans. of mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962, p. 3-11, 20-33, 47-240.

Separate entries have been prepared for 57 articles.

Golubenkov, V. N.
THE CREATION OF A FLAT FIELD OF ENERGY RELEASE IN A REACTOR WITH UNIFORM CHARGE. 31 Jan 64, 6p 2refs JPRS: 23006 (p. 61-66).
Order from OTS $3.00 in TT-64-21444 (p. 61-66)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 52-56]. (Abstract available)

Krupchitskii, P. A.
ONE POSSIBILITY IN THE INVESTIGATION OF THE TIME INVARIANCE OF NUCLEAR FORCES. 14 Jan 64, 5p 6refs FTD-TT-64-22 (p. 99-103).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 99-103)

Unedited rough draft trans. fom mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Smorodinskii, Ya. A.
THE STATISTICS OF NUCLEAR LEVELS: THE DYSON THEORY. 14 Jan 64, 9p 8refs FTD-TT-64-22 (p. 45-53).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 45-53)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Sukhoruchkin, S. I.
PROPERTIES OF NUCLEAR RESONANCE LEVELS EXCITED BY SLOW NEUTRONS (HIGHLIGHTS OF A SURVEY REPORT). 14 Jan 64, 3p FTD-TT-64-22 (p. 54-56).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 54-56)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Teofilovski, Cedomir and Dizdar, Zdenko
PRODUCTION OF RADIOACTIVE ISOTOPES AT THE "BORIS KIDRIC" INSTITUTE IN VINCA. 18 Feb 64, 17p 16refs JPRS: 23279.
Order from OTS $0.50 TT-64-21586

Trans. of Tehnika (Yugoslavia) 1964, v. 19, no. 1, p. 25-32. (Abstract available)

Zabiyakin, G. I.
MULTICHANNEL RECORDING SYSTEMS OF THE NEUTRON PHYSICS LABORATORY OF THE JOINT INSTITUTE FOR NUCLEAR RESEARCH. 14 Jan 64, 8p FTD-TT-64-22 (p. 114-121).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 114-121)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Zil'berman, Ya. I.
PRINCIPLES OF THE CHEMICAL TECHNOLOGY OF ARTIFICIAL RADIOACTIVE ELEMENTS. 24 Feb 64, 475p 305refs JPRS: 23350
Order from OTS $6.00 TT-64-21627

Trans. of mono. Osnovy Khimicheskoi Tekhnologii Iskustvennykh Radioaktivnykh Elementov, Moscow, 1961, 332p. (Abstract available)

Instruments and Installations

Boreli, F., Berovic, N., Aleksic, M., and Lazarevic, V.
THE MEASUREMENT OF FAST NEUTRON SPECTRA AT HIGH REACTOR POWERS. 1963, 4p 4refs PL-PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 249-252)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 249-252. (Abstract available)

Burnazyan, A. I., ed.
DEFENSE AGAINST RADIOACTIVE FALLOUT: MEASURES FOR DEFENSE AGAINST RADIOACTIVE FALLOUT [AND] CONTENTS. 31 Jan 64, 10p. JPRS: 23028.
Order from OTS $0.50 TT-64-21457

Trans. of mono. Zashchita ot Radioaktivnykh Osadkov, Moscow, 1963, sect. XI, p. 107-114 and table of contents.

Hamada, Tatsuji.
LIQUID SCINTILLATION COUNTING. [1963] 12p (figs tables omitted)
Order from SLA $1.60 TT-63-20886

Trans. of Radioisotopes (Japan) 1961, v. 10, no. 1, p. 8-18.

Petrov, R. V., Pravetskii, V. N., Stepanov, Yu. S., and Shal'nov, M. I.
FIELD DOSIMETERS-RADIOMETERS MANUFACTURED IN THE USSR [AND] SYMBOLS AND UNITS OF MEASURE. 9 Jan 64, 16p JPRS: 22669; N64-13162.
Order from OTS $0.50 TT-64-21247

Trans. of mono. Zashchita ot Radioaktivnykh Osadkov (Protection Against Radioactive Fallout) Moscow, 1963, p. 172-184.

Nuclear Engineering and Power

Kumpf, Hermann.
MODERATOR TANK IN THE INTERIOR OF THE VESSEL FOR A HETEROGENEOUS NUCLEAR REACTOR
J. R.-P., tr. 28 Oct 63, 6p (figs omitted) 3refs
Order from OTS, SLA, or ETC $1.10 TT-63-24421

Trans. of German Auslegeschrift (DAS) 1,062,836, cl. 21g, 21/20, Internat. cl. G21, by Siemens-Schuckertwerke AG, appl 4 Mar 58, announced and laid open to public inspection 6 Aug 59.

Ristic, M. M., Radic, S., and Zivanovic, B.
CHARACTERISTIC PARAMETERS OF SINTERING AS MEASURES OF THE EFFECT OF COMPACTING PRESSURE ON THE SINTERING OF URANIUM DIOXIDE. 1963, 9p 8refs PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 197-205)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 197-205. (Abstract avaialbe)

Nuclear Reactions

Abov, Yu. G., Gul'ko, A. D., Ermakov, O. N., Krupchitskii, P. A., and Trostin, S. S.
THE ASYMMETRY OF β-DECAY OF Li^8, Ag^{108}, AND Ag^{110} NUCLEI FORMED AS THE RESULT OF THE CAPTURE OF POLARIZED THERMAL NEUTRONS. 14 Jan 64, 5p 6refs FTD-TT-64-22 (p. 86-90).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 86-90)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Adamchuk, Yu. V., Moskalevich, S. S., and Pevzner, M. I.
THE TOTAL NEUTRON CROSS SECTIONS OF EVEN-EVEN MOLYBDENUM ISOTOPES. 14 Jan 64, 7p 3refs FTD-TT-64-22 (p. 13-19).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 13-19)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Alexander, K. F. and Brinckmann, H. F.
THERMAL NEUTRON ACTIVATION CROSS SECTIONS OF SHORT-LIVED ISOMERIC STATES. 14 Jan 64, 4p 13refs FTD-TT-64-22 (p. 107-110).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 107-110)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Andreeff, A.
MEASUREMENT OF THE SHAPE ELASTIC CROSS-SECTION BY THE SELF SCREENING METHOD.
14 Jan 64, 2p 2refs FTD-TT-64-22 (p. 22-23).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 22-23)

Original reproduction from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna 1962.

Antonov, A. V., Granatkin, B. V., Merkul'ev, Yu. A., Smolik, Ch. K., and Puzanov, V. V.
AN INVESTIGATION OF NEUTRON DIFFUSION IN WATER AND ICE NEAR 0°C AND IN ICE AT -80°C.
14 Jan 64, 3p 3refs FTD-TT-64-22 (p. 330-332).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 330-332)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Bally, D.
INVESTIGATIONS OF NEUTRON SCATTERING BY SOLIDS, CONDUCTED AT THE NEUTRON PHYSICS LABORATORY OF THE ATOMIC PHYSICS INSTITUTE OF THE RUMANIAN PEOPLES REPUBLIC
14 Jan 64, 4p 3refs FTD-TT-64-22 (p. 304-307).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 304-307)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna. 1962.

Bally, D., Todiryanu, S., Rypyanu, S., and Belloni, M. G.
TOTAL NEUTRON REFLECTION ON METAL MIRRORS. 14 Jan 64, 5p 4refs FTD-TT-64-22 (p. 81-85).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 81-85)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Bally, D., Tsiarine, V., and Todirianu, S.
ANGULAR DISTRIBUTION OF NEUTRON SCATTERING IN ETHYLENE AND PROPYLENE. 14 Jan 64, 4p 3refs FTD-TT-64-22 (p. 173-176).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 173-176)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Chernoplekov, N. A., Zemlyanov, M. G., and Chicherin, A. G.
INVESTIGATION OF THE PHONON SPECTRUM OF VANADIUM BY THE INELASTIC SCATTERING OF COLD NEUTRONS. 14 Jan 64, 5p 3refs FTD-TT-64-22 (p. 215-219).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 215-219)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Dlouhy, Z. and Kvitek, J.
A STUDY OF NEUTRON DIFFUSION IN WATER AND ICE AS A FUNCTION OF TEMPERATURE USING THE PULSED-NEUTRON-SOURCE METHOD.
14 Jan 64, 6p, 10refs FTD-TT-64-22 (p. 333-338).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 333-338)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Doil'nitsyn, E. Ya., Kham'yanov, L. P., and Parfenov, V. A.
MEASUREMENT OF THE TOTAL EFFECTIVE CROSS SECTIONS OF TANTALUM USING A MECHANICAL NEUTRON SELECTOR. 14 Jan 64, 5p 4refs FTD-TT-64-22 (p. 40-44).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 40-44)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna. 1962.

Estulin, I. V., Melioranskii, A. S., and Kalinkin, L. F.
CASCADE γ-RADIATION IN THE REACTION (n, γ) IN SLOW NEUTRONS. 14 Jan 64, 12p 26refs FTD-TT-64-22 (p. 62-73).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 62-73)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Gersch, Hans-Ulrich.
NEUTRON CAPTURE GAMMA RAYS FROM MERCURY. 14 Jan 64, 2p 5refs FTD-TT-64-22 (p. 79-80).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 79-80)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Golikov, V. V., Shapiro, F. L., Shkatula, A., and Yanik, Yu.
AN INSTALLATION FOR COLD-NEUTRON MEASUREMENTS. 14 Jan 64, 6p FTD-TT-64-22 (p. 253-258).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 253-258)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Ignat'ev, K. G., Kirpichnikov, I. V., and Sukhoruchkin, S. I.
ANGULAR CORRELATIONS OF RESONANCE-CAPTURE γ-RAYS. 14 Jan 64, 2p 1ref FTD-TT-64-22 (p. 57-58).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 57-58)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Ignat'ev, K. G., Kirpichnikov, I. V., and Sukhoruchkin, S. I.
AN ATTEMPT TO DETECT INTERFERENCE IN THE (n, γ) CROSS SECTION OF HAFNIUM. 14 Jan 64, 3p 4refs FTD-TT-64-22 (p. 59-61).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 59-61)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Ignat'ev, K. G., Kripichnikov, I. V., and Sukhoruchkin, S. I.
INTERFERENCE EFFECTS IN U^{235} AND Pu^{239} FISSION CROSS SECTIONS. 14 Jan 64, 9p 9refs FTD-TT-64-22 (p. 24-32).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 24-32)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Janik, J. A.
INELASTIC EFFECTS DURING NEUTRON SCATTERING IN LIQUIDS AND SOLIDS. PT. I. NONMAGNETIC SUBSTANCES: SURVEY. 14 Jan 64, 26p (figs omitted) 35refs FTD-TT-64-22 (p. 122-147)
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 122-147)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kagan, Yu.
INELASTIC SCATTERING OF SLOW NEUTRONS ON ARBITRARY CRYSTALS AND THE GENERAL PROBLEM OF REDUCING THE PHONON SPECTRUM. 14 Jan 64, 22p 6refs FTD-TT-64-22 (p. 180-201).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 180-201)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kagan, Yu. M. and Chicherin, O. G.
REDUCTION OF THE PHONON DISPERSION LAW ACCORDING TO THE INCOHERENT SCATTERING OF SLOW NEUTRONS. 14 Jan 64, 2p FTD-TT-64-22 (p. 178-179).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 178-179)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kagan, Yu. M. and Iosilevskii, Ya. A.
THE SCATTERING OF SLOW NEUTRONS IN IMPURITY NUCLEI IN A CRYSTAL. 14 Jan 64, 2p FTD-TT-64-22 (p. 202-203).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 202-203)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kardon, B., Kish, D., and Samosvat, G. S.
INTERFERENCE IN THE RADIATIVE-CAPTURE CROSS SECTION OF NEUTRONS BY GOLD AT 4.9-ev RESONANCE. 14 Jan 64, 4p 1refs FTD-TT-64-22 (p. 74-77).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 74-77)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kim, Chi-san, Pikel'ner, L. B., Pshitula, M. I., Chen, Ling-yan'g, and Sharapov, E. I.
INVESTIGATION OF NEUTRON RESONANCES WITH THE AID OF A CAPTURE γ-RAY DETECTOR. 14 Jan 64, 7p 3refs FTD-TT-64-22 (p. 33-39).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 33-39)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kroo, N. and Pal, L.
INVESTIGATION OF THE SCATTERING OF COLD NEUTRONS AT SMALL ANGLES IN ORDERED ALLOYS NEAR THE KURNAKOV POINT. 14 Jan 64, 5p (fig omitted) 4refs FTD-TT-64-22 (p. 220-224).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 220-224)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Machekhina, T. A., Ogzheval'skii, Z. I., and Shapiro, F. L.
THE SCATTERING OF NEUTRONS WITH AN ENERGY OF ABOUT 5 ev IN GRAPHITE AND LIF. 14 Jan 64, 6p 2refs FTD-TT-64-22 (p. 247-252).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 247-252)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Mikke, K.
LATTICE DYNAMICS OF AMMONIUM HALIDES BY INVERTED BERYLLIUM FILTER METHOD. 14 Jan 64, 6p 9refs FTD-TT-64-22 (p. 225-230).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 225-230)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Mikke, K.
THE STUDY OF CORRELATION IN LIQUIDS BY NEUTRON SPECTROMETRY. 14 Jan 64, 9p 14refs FTD-TT-64-22 (p. 164-172).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 164-172)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Nemirovskii, P. E.
THE APPLICATION OF AN OPTICAL MODEL TO AVERAGED CROSS SECTIONS FOR LOW-ENERGY NEUTRONS. 14 Jan 64, 2p FTD-TT-64-22 (p. 1-2)
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 1-2)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Sayasov, Yu. S. and Ivanov, G. K.
THE INTERACTION OF NEUTRONS WITH MOLECUL IN THE HIGH-ENERGY REGION. 14 Jan 64, 7p 6refs FTD-TT-64-22 (p. 235-241).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 235-241)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Sosnowski, I. and Kozubowski, I.
INVESTIGATION OF THE DISPERSION LAW FOR PHONONS IN A SINGLE CRYSTAL. 14 Jan 64, 4p 3refs FTD-TT-64-22 (p. 231-234).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 231-234)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Teutsch, H., Mateescu, N., and Timis, P.
MEASUREMENT OF THE EFFECTIVE ABSORPTION CROSS SECTION FOR Au FOR THERMAL NEUTRONS. 14 Jan 64, 3p 4refs FTD-TT-64-22 (p. 104-106)
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 104-106)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Turchin, V. F., Smelov, V. V., and Ilyasova, G. A.
CALCULATIONS OF THE DIFFERENTIAL CROSS SECTIONS OF SLOW-NEUTRON SCATTERING IN AN ISOTROPIC ATOMIC-BOND APPROXIMATION. 14 Jan 64, 4p 4refs FTD-TT-64-22 (p. 243-246).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 243-246)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Walja, K., Wanic, A., and Murasic, A.
INVESTIGATION OF MAGNONS IN A CRYSTAL OF FRANKLINITE BY THE NEUTRON-SCATTERING METHOD. 14 Jan 64, 6p 7refs FTD-TT-64-22 (p. 204-209).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 204-209)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Wanic, Adam.
INELASTIC EFFECTS DURING NEUTRON SCATTERING IN LIQUIDS AND SOLIDS. PT. II. MAGNETIC SUBSTANCES: SURVEY. 14 Jan 64, 16p 35refs FTD-TT-64-22 (p. 148-163).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 148-163)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Zemlyanov, M. G. and Chernoplekov, N. A.
STUDY OF THE INELASTIC SCATTERING OF COLD NEUTRONS IN DIPHENYL. 14 Jan 64, 3p 3refs
FTD-TT-64-22 (p. 212-214).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 212-214)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Nuclear Structure

Koltypin, É. A. and Yan'kov, G. B.
DETERMINATION OF THE FORCE FUNCTION FROM TRANSPARENCY MEASUREMENT FOR E_n FROM 40 TO 400 kev. 14 Jan 64, 2p 1ref
FTD-TT-64-22 (p. 20-21).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 20-21)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Popov, Yu. P. and Shapiro, F. L.
THE ENERGY DISTRIBUTION OF (n, γ) REACTION CROSS SECTIONS IN THE NUCLEI OF NINE ELEMENTS. 14 Jan 64, 5p (figs omitted) 8refs
FTD-TT-64-22 (p. 3-7)
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 3-7)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

PERSONNEL SUPPLIES AND PERSONAL EQUIPMENT

Stiepel, Karl.
PRODUCTION OF SOAPS AND SIMILAR SOAP CONTAINING PRODUCTS WHICH CONTAIN EXCESS FATS. [1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-10660

Trans. of [Seifen-Öle-Fette-Wachse] (Germany) 1935 [v. 62] p. 197 (German patent 609,634, n.d.)).

PHYSICS

ADVANCES IN PHYSICAL SCIENCES, 1958, VOL. 64 NOS. 1-4: SELECTED ARTICLES. 1964, 554p
PL-480 AEC.
Order from OTS $5.50 AEC-tr-5331

Trans. of Uspekhi Fizicheskikh Nauk (USSR) 1958, v. 64, no. 1, p. 3-154, 193-195; no. 2, p. 197-313, 361-389; no. 3, p. 417-434, 447-528, 615-623; no. 4, p. 641-667, 669-731, 781-798.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

ADVANCES IN PHYSICAL SCIENCES, 1958, VOL. 65 NOS. 1-4: SELECTED ARTICLES. 1964, 562p
PL-480 AEC.
Order from OTS $5.75 AEC-tr-5332

Trans. of Uspekhi Fizicheskikh Nauk (USSR) 1958, v. 65, no. 1, p. 2-110, 133-155, 157-158; no. 2, p. 161-174, 207-256, 313-349; no. 3, p. 387-406, 441-488, 521-543, 545-548; no. 4, p. 551-591, 593-719, 721-726, 733-738.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS NO. 24. 25 Feb 64, 5p JPRS: 23364.
Order from OTS $0.50 TT-64-21634

Trans. of selected abstracts from Referativnyi Zhurnal. Fiz[ika] (USSR) 1963, nos. 8, 10.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 3. 6 Feb 64, 7p
JPRS: 23112.
Order from OTS $0.50 TT-64-21503

Consists of abstracts of articles from selected scientific and technical journals of East Germany and Hungary.

JOURNAL OF ENGINEERING PHYSICS, 1963, VOL. 6, NO. 5. 31 Dec 63, 209p 138refs JPRS: 22553.
Order from OTS $3.50 TT-64-21181

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5, p. 3-6, 17-134.

JOURNAL OF ENGINEERING PHYSICS, 1963, VOL. 6, NO. 9. 31 Jan 64, 183p JPRS: 23006.
Order from OTS $3.00 TT-64-21444

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9, p. 1-137.

Separate entries have been prepared for 19 articles.

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, MINISTRY OF HIGHER AND SECONDARY SPECIALIZED EDUCATION USSR, RADIOPHYSICS SERIES, 1963, VOL. 6, NO. 3. 27 Jan 64, 429p JPRS: 22922.
Order from OTS $6.00 TT-64-21402

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 431-647.

Separate entries have been prepared for 32 articles.

NLL TRANSLATIONS BULLETIN, 1963, VOL. 5, NO. 12, P. 1053-1166. Dec 63, 1v
Order from HMSO $0.77, $9.86/year

This bulletin includes books received from the USSR, NLL loan collections of translations, available for purchase or on loan from NLL and translated articles from 1963 issues of Russian journals.

Separate entries have been prepared for the translated articles.

Aleksin, V. F. and Stepanov, K. N.
SPATIAL CORRELATION OF FLUCTUATING ELECTROMAGNETIC FIELDS IN A PLASMA, II.
27 Jan 64, 15p 9refs JPRS: 22922 (p. 105-119).
Order from OTS $6.00 in TT-64-21402 (p. 105-119)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 480-487. (Abstract available)

Arsenin, V. V.
ABSORPTION OF ELECTROMAGNETIC WAVE INCIDENT ON A HALF SPACE FILLED WITH PLASMA.
27 Jan 64, 8p 1ref JPRS: 22922 (p. 59-66).
Order from OTS $6.00 in TT-64-21402 (p. 59-66)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 457-460. (Abstract available)

Krupnov, A. F. and Skvortsov, V. A.
4 mm MASER USING A FORMALDEHYDE MOLECULE BEAM. 27 Jan 64, 9p 8refs JPRS: 22922 (p. 169-177).
Order from OTS $6.00 in TT-64-21402 (p. 169-177)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 513-517). (Abstract available)

Malakhov, A. M.
CONCERNING AMPLITUDE AND PHASE FLUCTUATIONS OF A SELF-OSCILLATOR. 27 Jan 64, 11p 7refs JPRS: 22922 (p. 134-144).
Order from OTS $6.00 in TT-64-21402 (p. 134-144)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 495-500.

Malakhov, A. N.
SYNCHRONIZATION OF AN OSCILLATOR BY A RANDOM QUASI MONOCHROMATIC SIGNAL.
27 Jan 64, 24p 4refs JPRS: 22922 (p. 145-168).
Order from OTS $6.00 in TT-64-21402 (p. 145-168)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 501-512.

Motulevich, V. P.
EVALUATION OF TERMS IN A FULL SYSTEM OF BOUNDARY LAYER EQUATIONS. 31 Dec 63, 9p 3refs JPRS: 22553 (p. 114-122).
Order from OTS $3.50 in TT-64-21181 (p. 114-122)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 86-91].

Predvoditelev, A. S.
ON THE KINEMATICS OF MOTIONS IN RARIFIED MEDIA. 31 Jan 64, 13p 4refs JPRS: 23006 (p. 109-121).
Order from OTS $3.00 in TT-64-21444 (p. 109-121)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 87-96] (Abstract available)

Shuleikin, V. V.
SECOND SERIES OF GROUND TESTS WITH WEIGHTLESS LIQUIDS. 17 Feb 64, 7p 4refs JPRS: 23259; N64-14996.
Order from OTS $0.50 TT-64-21578

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 153, no. 6, p. 1299-1302.

Silin, V. P.
WEAKLY DAMPED OSCILLATIONS OF AN INHOMOGENEOUS PLASMA. 27 Jan 64, 4p JPRS: 22922 (p. 405-408).
Order from OTS $6.00 in TT-64-21402 (p. 405-408)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 640-641.

Sitenko, A. G. and Kirochkin, Yu. A.
SCATTERING OF ELECTROMAGNETIC WAVES ON FLUCTUATIONS IN A PLASMA, IN THE PRESENCE OF A MAGNETIC FIELD. 27 Jan 64, 21p 8refs JPRS: 22922 (p. 84-104).
Order from OTS $6.00 in TT-64-21402 (p. 84-104)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 469-479. (Abstract available)

Stepanov, N. S.
PARAMETRIC AMPLIFICATION OF TRANSVERSE ELECTROMAGNETIC WAVES IN A PLASMA WITH PERIODICALLY VARYING ELECTRON CONCENTRATION. 27 Jan 64, 17p 8refs JPRS: 22922 (p. 67-83).
Order from OTS $6.00 in TT-64-21402 (p. 67-83)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 461-468. (Abstract available)

Tsytovich, V. N.
ACCELERATION OF CHARGED PARTICLES BY PLASMA WAVES. 27 Jan 64, 6p 8refs JPRS: 22922 (p. 409-414/415).
Order from OTS $6.00 in TT-64-21402 (p. 409-414/415)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 641-644.

Zheleznyakov, V. V. and Zlotnik, E. Ya.
THE ROLE OF THE STATIC ELECTRIC FIELD IN THE PROPAGATION OF ELECTROMAGNETIC WAVES IN A PLASMA. 27 Jan 64, 6p 6refs JPRS: 22922 (p. 393-398).
Order from OTS $6.00 in TT-64-21402 (p. 393-398)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 634-636.

Zhmuds'kii, O. Z.
SCIENTIFIC RESEARCH IN PHYSICS AT HIGHER EDUCATIONAL INSTITUTIONS OF THE UKRAINE. Dec 63, 37p 20refs
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1963, v. 5, no. 12 (p. 1053-1089)

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1963, v. 8, no. 4, p. 405-417.

Acoustics

Breuning, Ernst.
PROCESS FOR OPTICAL REPRESENTATION OF IMAGES OF ACOUSTIC FIELD CROSS SECTIONS
J. R. -P., tr. 16 Jan 64, 5p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-13578

Trans. of German patent 876,475, cl. 42k, gr. 46/06, by Ultrakust-Gerätebau Dr. -Ing. Oswald Raudszus, pat. from 3 Aug 51, appl. announced 18 Sep 52, grant announced 2 Apr 53, pub 15 May 53.

Fahrentholz, Siegfried.
ARRANGEMENT FOR RECORDING HEIGHT AND PROFILE OF BULK MATERIAL IN CONTAINERS
J. R., tr. 20 Jan 64, 12p (figs omitted) 2refs
Order from OTS, SLA, or ETC $1.60 TT-64-13577

Trans. of German Auslegeschrift (DAS) 1,074,281, cl. 42e/37, Internat. cl. G/01f, filed 1 Apr 55, announced and pub. 28 Jan 60.

Sychev, V. V.
ONCE MORE THE PROBLEM OF SOUND WAVE PROPAGATION IN SATURATED VAPORS OF FLUIDS. 31 Dec 63, 12p 7refs JPRS: 22553 (p. 176-187).
Order from OTS $3.50 in TT-64-21181 (p. 176-187)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 128-132].

Electricity and Magnetism

Chaplin, A. F.
EXCITATION OF IMPEDANCE STRIP ON AN INFINATE SCREEN. 27 Jan 64, 10p 5refs JPRS: 22922 (p. 306-315).
Order from OTS $6.00 in TT-64-21402 (p. 306-315)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963. v. 6, no. 3, p. 585-590.

Konorov, P.P.
PROPRIÉTÉS ÉLECTRIQUES DU TELLURURE DE BISMUTH. (Bi2 Te3) (Elektricheskie Svoistva Khalkogenidov Vismuta. III. Elektricheskie Svoistva Telluride Vismuta (Bi2 Te3) (Electrical Properties of Bismuth Chalcogens. III. Electrical Properties of Bismuth Telluride (Bi2 Te3). 17p. (foreign text included) 7refs. CNRS-VIII bis 390.
Order from OTS, ETC or CNRS $1.60 TT-62-28180

Trans. in French of *Zhurnal Tekhnicheskoi Fiziki (USSR) 1956, v.26, no.7, p.1400-1405.

Vasil'ev, E. N.
EXCITATION OF CYLINDER OF FINITE LENGTH BY A HERTZ DIPOLE. 27 Jan 64, 24p 3refs JPRS: 22922 (p. 316-338).
Order from OTS $6.00 in TT-64-21402 (p. 316-338)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 591-607).

Vlasova, R.M. and Stil'bans, L.S.
ÉTUDE DES PROPRIÉTÉS THERMOÉLECTRIQUES DU TELLURURE DE BISMUTH (Issledovanie Termoelektricheskikh Svoistv Telluristogo Vismuta) (Thermoelectrical Properties of Bismuth Telluride). 18p. (foreign text included) 5refs. CNRS-VIII bis 305.
Order from OTS, ETC or CNRS $1.60 TT-62-28175

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v.25, no.4, p.569-576.

Electronics

Azovskii, Yu. S., Guzhovskii, I. T., Dushin, L. A., Privezentsev, V. I., and Churaev, V. A.
MICROWAVE METHODS OF DETERMINATION OF PLASMOIDS. 31 Jan 64, 6p 4refs JPRS: 23006 (p. 67-72)
Order from OTS $3.00 in TT-64-21444 (p. 67-72)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 57-60]. (Abstract available)

Bogdankevich, L. S.
OSCILLATIONS OF AN INHOMOGENEOUS PLASMA IN A TWO-FLUID-HYDRODYNAMICS MODEL. [1963] 10p 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-10802

Trans. of [Akademiya Nauk SSSR]. Fizicheskii Institut. [Rept]-A-15, 1963.

Fränz, Kurt.
DIRECTIONAL BEAM SYSTEM
P. C. C., tr. 3 Oct 63, 4p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-63-24415

Trans. of German patent 861,718, cl. 21a4, gr. 46/02, by Telefunken Gesellschaft für Drahtlose Telegraphie m.b.H., pat. from 18 May 39, announced 17 Apr 52, grant announced 13 Nov 52, pub. 5 Jan 53. (Abstract available)

Lisitskaya, I. N. and Sinitskii, L. A.
INVESTIGATION OF NEGATIVE-RESISTANCE GENERATORS WITH PIECEWISE-LINEAR APPROXIMATION OF THE CHARACTERISTICS OF THE NONLINEAR ELEMENT. 27 Jan 64, 13p 3refs
JPRS: 22922 (p. 339-351).
Order from OTS $6.00 in TT-64-21402 (p. 339-351)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 608-615. (Abstract available)

Palluel, Pierre.
ON THE MECHANISM OF ELECTRONIC REDIFFUSION OF METALS (Sur le Mécanisme de la Rediffusion Électronique par les Métaux). [1963] 2p 3refs
Order from SLA $1.10 TT-64-10378

Trans. of Acad[emie des] Sci[ences] Paris, Comptes Rendus (France) 1947, v. 224, p. 1551-1553 (pub. by Gauthier-Villars et Cie., Paris).

Palluel, Pierre.
REDIFFUSION COMPONENTS OF THE SECONDARY ELECTRON RADIATION OF METALS (Composante Rediffusée du Rayonnement Électronique Secondaire des Métaux). [1963] 2p 7refs
Order from SLA $1.10 TT-64-10379

Trans. of Acad[emie des] Sci[ences] Paris. Comptes Rendus (France) 1947, v. 224, p. 1492-1494 (pub. by Gauthier-Villars et Cie, Paris).

Molecular Physics and Spectroscopy

Alexander, K. F. and Kästner, R.
A MECHANICAL FILTER FOR EXPERIMENTS WITH THERMAL NEUTRON BEAMS. 14 Jan 64, 4p
FTD-TT-64-22 (p. 277-280).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 277-280)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Barsukov, K. A. and Suchkin, G. L.
RADIATION LINE WIDTH IN THE COMPLEX DOPPLER EFFECT. 27 Jan 64, 19p 4refs JPRS: 22922 (p. 40-58).
Order from OTS $6.00 in TT-64-21402 (p. 40-58)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 449-456. (Abstract available)

Doil'nitsyn, E. Ya., Kham'yanov, L. P., and Klemyshev, P. S.
MULTI-ROTOR MECHANICAL NEUTRON CHOPPERS. 14 Jan 64, 5p FTD-TT-64-22 (p. 269-273).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 269-273)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniyo po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Dzhelepov, B.S., Ivanov, R.B. and others.
SPECTROMÈTRE α MAGNÉTIQUE (Magnitnyi α-Spektrometr) (Alpha Spectrometers) 16p. (foreign text included). 10refs. FR-3640
Order from OTS, ETC or CNRS $0.80 TT-62-28806

Trans. in French of #Akademiya Nauk SSSR. Izvestiya, Seriya Fizicheskaya, 1959, v.23, no.7, p.782-787.

Kleinstück, K. and Sippel, D.
INVESTIGATIONS TO DETERMINE THE CONDITIONS OF MAXIMUM SHIELDING RELATIVE TO NEUTRON-DIFFRACTION EXPERIMENTS ON THE VVR-S REACTOR. 14 Jan 64, 6p FTD-TT-64-22 (p. 281-286).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 281-286)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 62, Dubna, 1962.

Krasnicki, S.
A NEUTRON CRYSTAL SPECTROMETER. 14 Jan 64, 4p (fig omitted) FTD-TT-64-22 (p. 259-262).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 259-262)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kurepa, M. V.
COMPARISON OF EXPERIMENTAL AND THEORETICAL RESULTS FOR IONIZATION CROSS SECTIONS OF INERT GASES. 1963, 10p 13refs PL-480 AEC.
Order from OTS $0.75 in AEC-tr-5737/4 (p. 187-196)

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1963, v. 14, no. 4, p. 187-196. (Abstract available)

Nasonov, V. S.
DISTRIBUTION OF THE POPULATION OF SODIUM ATOMS BY SUBLEVELS OF THE GROUND STATE UNDER THE INFLUENCE OF OPTICAL PUMPING. 27 Jan 64, 14p 9refs JPRS: 22922 (p. 202-215).
Order from OTS $6.00 in TT-64-21402 (p. 202-215)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 529-535. (Abstract available)

Nasonov, V. S.
INVESTIGATION OF EFFICIENCY OF OPTICAL PUMPING IN SODIUM VAPOR. 27 Jan 64, 23p 17refs JPRS: 22922 (p. 178-201).
Order from OTS $6.00 in TT-64-21402 (p. 178-201)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 518-528. (Abstract available)

Niewiadomski, T., Szkatula, A., and Sciesinski, I.
A SLOW-NEUTRON TIME-OF-FLIGHT SPECTROMETER. 14 Jan 64, 6p (fig omitted) 6refs FTD-TT-64-22 (p. 263-268).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 263-268)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Prokof'ev, Yu. A. and Martem'yanov, V. P.
INCREASING THE EFFICIENCY OF CIRCULAR γ-RAY POLARIZATION ANALYZERS. 14 Jan 64, 4p 3refs FTD-TT-64-22 (p. 95-98).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 95-98)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Stupochenko, E. V.
ON THE DISPLACEMENT OF CHEMICAL EQUILIBRIUM WITH THE VIOLATION OF THE MAXWELL DISTRIBUTION. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-63-20677

Trans. of [Zhurnal] Prikl[adnoi] Mekh[aniki] i Tekh[nicheskoi] Fiz[iki] (USSR) 1963, no. 4, p. 103-105.

Toich, H., Mateescu, N., Pirlogea, P., Radulescu, K., and Timis, P.
THE CHARACTERISTICS OF THE CURVED-SLIT NEUTRON CHOPPER OF THE INSTITUTE OF ATOMIC PHYSICS. 14 Jan 64, 3p 4refs FTD-TT-64-22 (p. 274-276).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 274-276)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Vertebnyi, V. P., Vlasov, M. F., Kolotyi, V. V., Maistrenko, A. N., and Ofengenden, R. G.
INVESTIGATIONS IN THE FIELD OF NEUTRON SPECTROMETRY ON THE VVR-M REACTOR OF THE PHYSICS INSTITUTE OF THE UKRAINIAN SSR. 14 Jan 64, 5p 5refs FTD-TT-64-22 (p. 8-12)
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 8-12)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Optics

Dmitriev, A. P.
DESIGN OF ISOPLANETIC SYSTEMS. 30 Dec 63, 10p 3refs JPRS: 22479 (p. 115-124)
Order from OTS $3.00 in TT-64-21137 (p. 115-124)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 99-106. (Abstract available)

Kan, Fu-hsi, Chiang, Chung-hung, and Ts'ai, Ying-shih.
OPTICAL PROPERTIES OF OXIDIZED COMPOUNDS OF THE RARE EARTH METALS IN INORGANIC GLASS. 16 Jan 64, 10p 15refs JPRS: 22766 (p. 47-56)
Order from OTS $1.50 in TT-64-21308 (p. 47-56)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 9, p. 50-52.

Plotnikow, Maxmilian.
CONTRAST RELATIONS OF THE IMAGE IN PHOTOGRAPHY THROUGH TURBID MEDIA (Bildkontrastverhältnisse beim Photographieren durch Trübe Medien). [1963] [23p] (foreign text included) 16refs
Order from SLA $2.60 TT-64-10616

Trans. of Photographische Korrespondez (Austria) 1939, v. 75, no. 10/12, p. 138-145.

Utekhin, Yu. A.
BIFOCAL SPHEROPRISMATIC SPECTACLES WITH REDUCED RESIDUAL ABERRATIONS. 30 Dec 63, 11p 11refs JPRS: 22479 (p. 105-114)
Order from OTS $3.00 in TT-64-21137 (p. 105-114)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 89-98. (Abstract available)

Solid State Physics

Alikhanov, R. A. and Kostina, T. I.
MAGNETIC TRANSFORMATIONS IN CHROMIUM.
14 Jan 64, 6p 4refs FTD-TT-64-22 (p. 308-313).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 308-313)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Belov, K. P. and Shuvalov, L. A.
PROBLEMS OF FERROMAGNETISM AND FERROELECTRICITY. 2 Jan 64, 5p JPRS: 22584 (p. 27-31).
Order from OTS $1.25 in TT-64-21193 (p. 27-31)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 82-84.

Blinowski, K., Leciejewicz, J., and Sosnowskii, J.
A STUDY OF NEUTRONOGRAPHIC INVESTIGATIONS CONDUCTED IN 1960 AND 1961 AT THE NUCLEAR RESEARCH INSTITUTE. 14 Jan 64, 16p 15refs FTD-TT-64-22 (p. 287-302).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 287-302)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Fykin, L. E., Rannev, N. V., and Ozerov, R. P.
NEUTRONOGRAPHIC DETERMINATION OF THE POSITION OF HYDROGEN ATOMS IN THE STRUCTURE $Li_2SO_4 \cdot H_2O$. 14 Jan 64, 2p FTD-TT-64-22 (p. 328-329).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 328-329)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Hase, W. and Kleinstück, K.
ABOUT THE INFLUENCE OF TOTAL REFLECTION AND INTENSITY DISTRIBUTION OVER THE CROSS-SECTION OF THE PRIMARY BEAM ON NEUTRON REFLEXES. 14 Jan 64, 3p 3refs FTD-TT-64-22 (p. 321-323).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 321-323)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Kleinstuck, K.
NEUTRONOGRAPHIC INVESTIGATIONS OF Fe-Co-V-ALLOYS. 14 Jan 64, 1p FTD-TT-64-22 (p. 320).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 320)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Lebedeva, G.N. and Gol'dwasser, G.L.
BASES FONDAMENTALES DE CONSTRUCTION DE L 'APPAREILLAGE POUR LA PREPARATION DU SULFATE D'AMMONIUM EN GROS CRISTAUX (Osnovnye Polozheniya Konstruirovaniya Apparatury dlya Polucheniya Krupnokristallicheskogo Sul'fata Ammoniya) (Designing a Unit for Producing Largecrystal Ammonium Sulphate). 18p. (foreign text included) 14refs. CNRS-VI 815.
Order from OTS, ETC or CNRS $0.80 TT-62-28795

Trans. in French of #Koks i Khimiya (USSR) 1960, no.10, p.42-46.
Another trans. is available in English from ATS $10.00 as ATS-56Q69R [1963] 9p.

Makarov, E. S. and Melik'yan, A. A.
NEUTRON-DIFFRACTION INVESTIGATION OF THE CRYSTALLINE STRUCTURE OF URANYL NITRATE HEXAHYDRATE. 14 Jan 64, 2p 4refs FTD-TT-64-22 (p. 324-325).
Order from OTS, SLA, or ETC $21.00 in
TT-64-13621 (p. 324-325)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Myasnikov, I.A.
ÉTUDE DE LA RELATION ENTRE LA CONDUCTABILITÉ ÉLECTRIQUE, L'ADSORPTION ET LES PROPRIÉTÉS SENSIBILISATRICES DE L'OXYDE DE ZINC. I. (Issledovanie Svyazi Mezhdy Elektroprovodnost'yu, Adsorbtsionnymi i Sensibilizirnyushchimi Svoistvami Okisi Tsinka. I.) (A Study of the Relations between the Electroconductivity and the Adsorption and Sensibilizing Properties of Zinc Oxyde). 32p. (foreign text included) 5refs. CNRS-VIII bis 449.
Order from OTS, ETC or CNRS $3.60 TT-62-28168

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1957, v.31, no.8, p.1721-1731.
Review in English available from LC or SLA mi$1.80 ph$1.80 as 61-19204, 1961, 2p. and full translations from SLA as R-5061, 17p and R-5081, 19p.

Nasledov, D.N., Dorin, V.A. and Dikina, I.M.
ÉTUDE RADIOGRAPHIQUE DES COUCHES DE SÉLÉNIUM OBTENUES PAR ÉVAPORATION DANS LE VIDE (Rentgenograficheskoe Issledovanie Sloev Selena, Poluchennykh Ispareniem v Vakuume) (X-Ray Study of Selenium Films Obtained by Evaporation in Vacuum). 26p. (foreign text included) 10refs. CNRS-VIII bis 267.
Order from OTS, ETC or CNRS $0.98 TT-62-28266

Trans. in French of Zhurnal Tekhnicheskoi Fiziki (USSR) 1955, v. 25, no. 1, p. 29-38.

Nozik, Yu. Z. and Yamzin, I. I.
THE NEUTRONOGRAPHIC INVESTIGATION OF $Mn_xFe_{3-x}O_4$. 14 Jan 64, 5p 5refs FTD-TT-64-22 (p. 314-318).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 314-318)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Omel'yanovskii, E. M., Fistul', V. I., and Mil'vidskii, M. G.
MOBILITY OF ELECTRONS IN HIGHLY ALLOYED SILICON. 23 Aug 63 [11p] 11refs FTD-TT-63-687.
Order from OTS, SLA, or ETC $1.60 TT-64-13612

Unedited rough draft trans. of #Fizika Tverdogo Tela (USSR) 1963, v. 5, no. 3, p. 921-927. (Abstract available)

Roginskii, S.Z.
QUELQUES PROBLÈMES DE CATALYSE EN PRÉSENCE DE SEMI-CONDUCTEURS (Nekotorye Problemy Poluprovodnikovogo Kataliza) (Some Problems in the Field of Semiconductor Catalysis). 38p. (foreign text included) 54refs. CNRS-VIII bis 457.
Order from OTS, ETC or CNRS $3.60 TT-62-28184

Trans. in French of *Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1957. v.21, no.2, p.163-175.

Segalova. E.E.. Izmailova, V.N. and Rebinder. P.A.
ÉTUDE DE L'ÉVOLUTION DE LA SURSATURATION EN FONCTION DU DÉVELOPPEMENT DE LA STRUCTURE CRISTALLINE LORS DE LA PRISE DU PLÂTRE (Issledovanie Kinetiki Peresyshcheniya v Svyazi s Razvitiem Kristallizatsionnykh Struktur Pri Tverdenii Gipsa) (A Study of the Supersaturation Kinetics in Connection with the Development of Crystallization Structures on the Solidification of Gypsum). 11p. (foreign text included) 7refs. CNRS-VI 341.
Order from OTS, ETC or CNRS $1.60 TT-62-28711

Trans. in French of Akademiya Nauk SSSR. Doklady. 1957, v.114, no.3, p.594-597.
Another trans. is available in English from SLA as R-4292, 10p.

Shishakov, N.A. and Andrushchenko, N.K.
FILMS OXYDÉS SUR LE MAGNÉSIUM. CROISSANCE ORIENTÉE DES FILMS OXYDÉS ET HYDROXYDÉS (Okispye Plenki na Magnin) (Oxide Films Upon Magnesium). 25p. (foreign text included) 4refs. CNRS-VII 75.
Order from OTS, ETC or CNRS $2.60 TT-62-28777

Trans. in French of Zhurnal Fizicheskoi Khimii (USSR) 1956, v.30, no.9, p.1966-1974.

Vainshtein, B. K.
CONTEMPORARY PROBLEMS IN CRYSTALLOGRAPHY. Dec 63, 22p 37refs
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1963, v. 5, no. 12 (p. 1101-1122)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963, v. 33, no. 6, p. 31-38.

Weiss, H. and Welker, H.
VARIATIONS IN THE TRANSVERSE MAGNETIC RESISTANCE OF INDIUM ANTIMONIDE. III. INFLUENCE OF GEOMETRICAL FORM ON THE VARIATIONS IN RESISTANCE. [1963] [4p] 3refs
Order from SLA $1.10 TT-64-10371

Partial trans. (p. 326-329) of Zeitschrift fllr Physik (West Germany) 1954, v. 138, p. 322-329.
Complete translations are available from ASLIB, 3 Belgrave Square, London, S.W.1, England as ASLIB-GB43 and from SLA as TT-57-02500, 18p.

Zippel, D.
DIRECT DETECTION OF ANOMALOUSLY DECREASED ABSORPTION OF THERMAL NEUTRONS DURING DIFFRACTION IN A CRYSTAL WITHOUT MOSAIC STRUCTURE. 14 Jan 64, 4p 2refs FTD-TT-64-22 (p. 91-94).
Order from OTS, SLA, or ETC $21.00 in TT-64-13621 (p. 91-94)

Unedited rough draft trans. from mono. Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna, 1962.

Thermodynamics

HEAT AND MASS TRANSFER: BIBLIOGRAPHY. 31 Jan 64, 20p 254refs JPRS: 23006 (p. 164-183)
Order from OTS $3.00 in TT-64-21444 (p. 164-183)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 127-137].

Antonishin, N. V.
ELECTRIC THERMAL ANEMOMETER WITH SEMICONDUCTOR PICKUPS. 31 Dec 63, 7p 2refs JPRS: 22553 (p. 169-175).
Order from OTS $3.50 in TT-64-21181 (p. 169-175)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 124-127]

Bagdasarov, Yu. E.
THE APPROXIMATE SOLUTION OF TWO-LAYER PROBLEMS OF NON-STATIONARY HEAT CONDUCTION. 31 Jan 64, 9p 2refs JPRS: 23006 (p. 82-90).
Order from OTS $3.00 in TT-64-21444 (p. 82-90)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 67-72]. (Abstract available)

Begunkova, A. F.
ACALORIMETERS WITH OPEN SURFACES.
30 Dec 63, 12p 1ref JPRS: 22479 (p. 164-175)
Order from OTS $3.00 in TT-64-21137 (p. 164-175)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, v. 6, no. 2, p. 137-146. (Abstract available)

Berkovich, S. Ya., Golovistikov, P. P., and Chentsov, R. A.
THE CALCULATION OF TRANSIENT HEAT TRANSFER FROM FILM TO SUBSTRATE. 31 Dec 63, 10p 3refs JPRS: 22553 (p. 132-141)
Order from OTS $3.50 in TT-64-21181 (p. 132-141)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5, [p. 99-105].

Bokacheva, L. P., Kiselev-Fedorov, V. P., Popkov, K. K., and Rubanov, S. M.
ON THE CALCULATION OF THE γ-COMPONENT OF HEAT GENERATION. 31 Jan 64, 7p 7refs JPRS: 23006 (p. 54-60).
Order from OTS $3.00 in TT-64-21444 (p. 54-60)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 47-51]. (Abstract available)

Cherpakov, P. V.
A METHOD OF EIGENFUNCTIONS IN THE REGULAR HEAT-REGIME THEORY. 31 Jan 64, 9p 8refs JPRS: 23006 (p. 73-81).
Order from OTS $3.00 in TT-64-21444 (p. 73-81)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 61-66]. (Abstract available)

Dolinskaya, R. A.
HEAT AND MASS TRANSFER: BIBLIOGRAPHY.
31 Dec 63, 19p JPRS: 22553 (p. 191-209).
Order from OTS $3.50 in TT-64-21181 (p. 191-209)

Trans. from *Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5.

Firsova, E. V.
INVESTIGATION OF HEAT TRANSFER AND HYDRAULIC RESISTANCE FOR LONGITUDINAL WATER FLOW IN A DUCT BUNDLE. 31 Dec 63, 11p 11refs JPRS: 22553 (p. 9-19).
Order from OTS $3.50 in TT-64-21181 (p. 9-19)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 17-21] (Abstract available)

Gvozdkov, N. N. and Kholopov, V. L.
THE PROPAGATION OF HEAT IN A COMPLETE CONIC SOLID. 31 Dec 63, 7p 4refs JPRS: 22553 (p. 162-168).
Order from OTS $3.50 in TT-64-21181 (p. 162-168)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 119-123]. (Abstract available)

Kaganov, M. A. and Lisker, I. S.
ON THE EFFECT OF CONTACT TEMPERATURE METERS ON THE ACCURACY OF DETERMINATION OF THERMAL PROPERTIES. 31 Jan 64, 10p 7refs JPRS: 23006 (p. 30-39).
Order from OTS $3.00 in TT-64-21444 (p. 30-39)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 27-34]. (Abstract available)

Kovalev, A. P. and Ippolitov, A. S.
IGNITING CONDITIONS AND FLAME CONFIGURATIONS IN A FURNACE OF INTERSECTING JETS.
31 Dec 63, 11p 9refs JPRS: 21181 (p. 49-59).
Order from OTS $3.50 in TT-64-21181 (p. 49-59)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 42-49].

Malyavskaya, G. R.
CONTENTS OF THE INTERNATIONAL JOURNAL "HEAT AND MASS TRANSFER" VOL. 6, FEB 63.
31 Dec 63, 3p JPRS: 22553 (p. 188-190).
Order from OTS $3.50 in TT-64-21181 (p. 188-190)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 133].

Mamedov, A. M.
THERMAL COEFFICIENTS OF WATER (Termicheskie Koeffitsienty Vody). 7 Mar 62, 8p (foreign text included) 8refs BEAIRA Ref Trans. /IB2023; [DSIR] NLL M.3760.
Order from OTS, SLA, or ETC $1.10 TT-63-19797

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5, p. 79-81. (Abstract available)
Another trans. is available from FT $7.70 as FT-616 [1961].

Mozhaev, S. S. and Sokiryanskii, L. F.
METHODS FOR COMPUTING DIFFUSION COEFFICIENTS IN TWO-PHASE SYSTEMS. 31 Jan 64, 8p 1ref JPRS: 23006 (p. 101-108).
Order from OTS $3.00 in TT-64-21444 (p. 101-108)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 80-86] (Abstract available)

Novichenok, L. N.
A NON-STATIONARY METHOD OF DETERMINING THE THERMOPHYSICAL CHARACTERISTICS OF VARNISH-PAINT COATINGS. 31 Jan 64, 6p 7refs JPRS: 23006 (p. 40-45).
Order from OTS $3.00 in TT-64-21444 (p. 40-45)

Trans of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 35-39] (Abstract available)

Oshcherin, B. N.
CALCULATION OF THE BOILING POINT. 31 Dec 63, 11p 18refs JPRS: 22553 (p. 20-30).
Order from OTS $3.50 in TT-64-21181 (p. 20-30)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 23-28].

Oshcherin, B. N.
ON THE CALCULATION OF THE BOILING POINTS OF INERT GASES AND MOLECULAR CRYSTALS. 31 Jan 64, 4p 10refs JPRS: 23006 (p. 122-125).
Order from OTS $3.00 in TT-64-21444 (p. 122-125)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 97-99].

Rizov, Z. M. and Todes, O. M.
HEAT WAVE PROPAGATION UPON BLOWING OF A GAS THROUGH POROUS, GRANULAR CHARGE. 31 Dec 63, 7p 6refs JPRS: 22553 (p. 90-96).
Order from OTS $3.50 in TT-64-21181 (p. 90-96)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 70-74].

Rizov, Z. M., Todes, O. M., Makarova, A. P.
DRYING OF A MOIST CHARGE BY HOT AND COLD AIR. 31 Jan 64, 9p 1ref JPRS: 23006 (p. 10-18).
Order from OTS $3.00 in TT-64-21444 (p. 10-18)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 10-17]. (Abstract available)

Rubtsov, N. A.
NONSTATIONARY RADIATIVE INTERACTION OF GREY BODIES. 31 Jan 64, 9p 4refs JPRS: 23006 (p. 1-9).
Order from OTS $3.00 in TT-64-21444 (p. 1-9)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 3-9]. (Abstract available)

Sadykov, B. S.
EMISSIVITY OF METALS AND ITS DEPENDENCE ON HEAT CONDUCTION. 31 Jan 64, 8p 10refs JPRS: 23006 (p. 46-53).
Order from OTS $3.00 in TT-64-21444 (p. 46-53)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 40-46]. (Abstract available)

Shermergor, T. D. and Meshkov, S. I.
THE TEMPERATURE DEPENDENCE OF THE DAMPING COEFFICIENT OF A MAXWELL BODY. 31 Dec 63, 8p 6refs JPRS: 22553 (p. 154-161).
Order from OTS $3.50 in TT-64-21181 (p. 154-161)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 114-118].

Sozin, Yu. A.
HEAT TRANSFER IN A PULSATING FLOW OF AN INCOMPRESSIBLE FLUID. 9 Jan 64, 11p 3refs JPRS: 22668 (p. 126-136).
Order from OTS $3.00 in TT-64-21246 (p. 126-136)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 102-110.

Trofimov, V. P. and Timchuk, B. I.
HEAT EXCHANGE IN MOLTEN METALS UNDER NATURAL CONVECTION CONDITIONS. 31 Dec 63, 7p 11refs JPRS-22553 (p. 31-37)
Order from OTS $3.50 in TT-64-21181 (p. 31-37)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 29-33].

Vargaftik, N. B. and Zaitseva, L. S.
HEAT CONDUCTIVITY OF D_2O IN THE GASEOUS PHASE. 31 Dec 63, 8p 8refs JPRS: 22553 (p. 1-8).
Order from OTS $3.50 in TT-64-21181 (p. 1-8)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5 [p. 3-6].

Vasil'ev, L. L.
PRECISION AMPLIFIERS FOR THERMAL REGULATION IN THE LOW-TEMPERATURE ZONE. 31 Jan 64, 8p 12refs JPRS: 23006 (p. 133-140).
Order from OTS $3.00 in TT-64-21444 (p. 133-140)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 105-110]. (Abstract available)

Zhuravleva, V. P.
A STUDY OF NON-STATIONARY THERMAL DIFFUSION IN MOLECULAR SOLUTIONS. 31 Jan 64, 10p 4refs JPRS: 23006 (p. 91-100).
Order from OTS $3.00 in TT-64-21444 (p. 91-100)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 9 [p. 73-79]. (Abstract available)

Zysina-Molozhen, L. M.
CALCULATION OF HEAT EXCHANGE OF TWO RIGHT-ANGLE INTERSECTING PLANE SURFACES. 31 Dec 63, 11p 2refs JPRS: 22553 (p. 38-48).
Order from OTS $3.50 in TT-64-21181 (p. 38-48)

Trans. of #Inzhenerno-Fizicheskii Zhurnal (USSR) 1963, v. 6, no. 5, [p. 34-41].

Wave Propagation

Belyantsev, A. M., Bogatyrev, Yu. K., and Solov'eva, L. I.
FORMATION OF ELECTROMAGNETIC SHOCK WAVES IN TRANSMISSION LINES WITH UNSATURATED FERRITE. 27 Jan 64, 18p 9refs JPRS: 22922 (p. 245-262)
Order from OTS $6.00 in TT-64-21402 (p. 245-262)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 551-560. (Abstract available)

Belyantsev, A. M., Bogatyrev, Yu. K., and Solov'eva, L. I.
STATIONARY ELECTROMAGNETIC SHOCK WAVES IN TRANSMISSION LINES WITH UNSATURATED FERRITE. 27 Jan 64, 20p 11refs JPRS: 22922 (p. 263-282).
Order from OTS $6.00 in TT-64-21402 (p. 263-282)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 561-571. (Abstract available)

Freidman, G. I.
DEPENDENCE OF STRUCTURE OF ELECTROMAGNETIC SHOCK WAVES IN TWO-CONDUCTOR LINES ON THE DISPERSION CHARACTERISTIC OF A SYSTEM IN THE LINEAR APPROXIMATION. 27 Jan 64, 29p 11refs JPRS: 22922 (p. 216-244).
Order from OTS $6.00 in TT-64-21402 (p. 216-244)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 536-550. (Abstract available)

Kuz'min, N. A. and Makarov, T. V.
CONCERNING THE PROPAGATION OF A QUASI-H_{01} MODE IN A CROSS-SHAPED WAVEGUIDE. 27 Jan 64, 6p 3refs JPRS: 22922 (p. 300-305).
Order from OTS $6.00 in TT-64-21402 (p. 300-305)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 581-584. (Abstract available)

Myuller, M. A. and Talanov, V. L.
THE USE OF THE SURFACE IMPEDANCE CONCEPT IN THE THEORY OF ELECTROMAGNETIC SURFACE WAVES (A REVIEW) (Ispol'zovanie Ponyatiya Poverkhnostnogo Impedansa v Teorii Poverkhnostnykh Elektromagnetnykh Voln (Obzor)) tr. by Zanis Stuberovskis. June 62 [58]p. (refs. omitted). E-T-R-R-62-22.
Order from OTS, SLA, or ETC $5.60 TT-63-19602

Partial trans. (p. 795-822) of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1961, v. 4, no. 5, p. 795-830.

Myuller, M. A. and Talanov, V. I.
THE USE OF THE SURFACE IMPEDANCE CONCEPT IN THE THEORY OF ELECTROMAGNETIC SURFACE WAVES: LITERATURE CITED (Literatura. Chast' Stat'i Poverkhnostnyi Impedans v Teorii Elektromagnitnykh Voln) tr. by Zanis Stuberovskis. Mar 62 [30]p. 227 refs. E-T-R-62-22A.
Order from OTS, SLA, or ETC $2.60 TT-63-19603

Partial trans. (p. 823-830) of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1961, v. 4, no. 5, p. 795-830.

Sedykh, V. M. and Yatsuk, L. P.
PARAMETERS OF H-SHAPED WAVEGUIDE FILLED WITH DIELECTRIC. 27 Jan 64, 17p 8refs JPRS: 22922 (p. 283-299).
Order from OTS $6.00 in TT-64-21402 (p. 283-299)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 572-580.

Telesnin, V. R.
CONCERNING THE PROPAGATION OF EXCITATION IN ONE-DIMENSIONAL EXCITABLE TISSUE. 27 Jan 64, 8p 3refs JPRS: 22922 (p. 368-375).
Order from OTS $6.00 in TT-64-21402 (p. 368-375)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 624-628.

RESEARCH METHODS, TECHNIQUES AND EQUIPMENT

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: [SELECTED] TRANSLATIONS NO. 67. 16 Jan 64, 56p 62refs JPRS: 22766.
Order from OTS $1.50 TT-64-21308

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1963, no. 9, p. 27-42, 50-52.

Separate entries have been prepared for the individual articles.

HERALD OF THE ACADEMY OF SCIENCES USSR, 1963 [VOL. 33] NO. 9. 2 Jan 64, 44p JPRS: 22584.
Order from OTS $1.25 TT-64-21193

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 38-48, 69-70, 73-74, 77-78, 80, 82-87, 90-94.
Separate entries have been prepared for 7 articles.

INTERNATIONAL SYSTEM OF UNITS OF MEASUREMENTS ADOPTED FOR THIS JOURNAL. 9 Jan 64, 5p JPRS: 22668 (p. 173-177).
Order from OTS $3.00 in TT-64-21246 (p. 173-177)

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR) 1963 [v. 6] no. 2, p. 139-141.

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, MINISTRY OF HIGHER AND SECONDARY SPECIALIZED EDUCATION USSR, INSTRUMENT BUILDING SERIES, 1963, VOL. 6, NO. 2. 30 Dec 63, 190p JPRS: 22479.
Order from OTS $3.00 TT-64-2113

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1963, vo. 6, no. 2, p. 3-158.

Separate entries have been prepared for the individual articles.

TRANSLATIONS ON COMMUNISTS CHINA'S SCIENCE AND TECHNOLOGY NO. 66. 8 Jan 64, 48p JPRS: 22641.
Order from OTS $1.25 TT-64-21227

Consists of 8 articles from 1962-63 issues of Chinese journals and newspapers.

Separate entries have been prepared for 3 articles.

Akhlibininskii, B. V. and Khralenko, N. I.
MIRACLE OF OUR TIME: CYBERNETICS AND PROBLEMS OF DEVELOPMENT. 7 Feb 64, 108p JPRS: 23132; N64-14536.
Order from OTS $2.50 TT-64-21517

Trans. of mono. Chudo Nashego Vremeni, Kibernetika i Problemi Razvitiya, Leningrad, 1963, 140p. (Abstract available)

Batyrov, Sh. B.
REORGANIZATION OF THE ACADEMY OF SCIENCES TURKMEN SSR. 2 Jan 64, 6p JPRS: 22584 (p. 10-15).
Order from OTS $1.25 in TT-64-21193 (p. 10-15)

Trans. of Akademiya Nauk SSSR. Vestnik, 1963 [v. 33] no. 9, p. 45-48.

Markov, A. A.
CODES WITH ERROR CORRECTION. 27 Jan 64, 5p 3refs JPRS: 22922 (p. 416-420).
Order from OTS $6.00 in TT-64-21402 (p. 416-420)

Trans. of #Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1963, v. 6, no. 3, p. 644-646.

Ogurtsova, N. N. and Podmoshenskii, I. V.
LIGHT SOURCE FOR A HIGH-SPEED CINE-CAMERA (Istochnik Sveta dlya Skorostnoi Kinokamery). May 63 [8p] RTS-2273.
Order from OTS, SLA, or ETC $1.10 TT-64-13369

Trans. of Uspekhi Nauchnoi Fotografii (USSR) 1959, v. 6, p. 58-61.

Pecriaux, Gabriel.
INTERNAL METHOD OF CALIBRATING THE DILATOMETER (Méthode Interne d'Étalonnage du Dilatomètre). [Paper from] National Science Congress (no. 3) Brussels, 2 Jun 50. [1963] [11p] (foreign text included)
Order from SLA $1.60 TT-64-10542

Trans. of reprint from Silicates Industriels (Belgium) 1950, v. 15, no. 10, 3p.

Pirogov, A. A.
THE SPEECH SIGNAL IN CYBERNETICS AND COMMUNICATIONS: THE TRANSFORMATION OF SPEECH AS APPLICABLE TO THE TASKS OF THE TECHNOLOGY OF COMMUNICATIONS AND CYBERNETICS (REVIEW). 11 Feb 64, 3p JPRS: 23187 (p. 17-19).
Order from OTS $0.75 in TT-64-21540 (p. 17-19)

Trans. of #Elektrosvyaz' (USSR) 1963 [v. 17] no. 8, p. 75 (review of mono. Rechevoi Signal v Kibernetike i Svyazi: Preobrazovanie Rechi Primenitel'no k Zadacham Tekhniki Svyazi i Kibernetiki, Svyaz'izdat, 1963, 452p).

Tyukhtin, Viktor Stepanovich.
ON THE NATURE OF IMAGE (MENTAL REFLECTION IN THE LIGHT OF IDEAS OF CYBERNETICS). 25 Feb 64, 133p refs JPRS: 23370. N64-15417
Order from OTS $2.75 TT-64-21636

Trans. of mono. O Prirode Obraza (Psikhicheskoe Otrazhenie v Svete Idei Kibernetiki) Moscow, 1963, p. 3-123. (Abstract available)

Information Theory

Dobrushin, R. L.
GENERAL FORMULATION OF SHANNON'S MAIN THEOREM IN INFORMATION THEORY (Obshchaya Formulirovka Osnovnoi Teoremy Shennona v Teorii Informatsii)
Edwin Hewitt, tr. 1963, 116p 34refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 323-438)

Trans. of Uspe[k]hi Mat[ematicheskikh] Nauk (USSR) 1959, v. 14, no. 6(90) p. 3-104.

Kolmogorov, A. N.
THEORY OF TRANSMISSION OF INFORMATION (Teoria Transmisviei Informatiei)
Leo Ebner, tr. 1963, 31p 19refs
Order from AMA in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 291-321)

Trans. of An[alele] Romino-Soviet[ice]. Seria]: Mat[ematica]-Fiz[ica] (Rumania) 1959, v. 13, no. 1(28) p. 5-33.

SOCIAL SCIENCES

CYBERNETICS IN PEDAGOGY AND COMMUNICATIONS. 11 Feb 64, 19p 10refs JPRS: 23187.
Order from OTS $0.75 TT-64-21540

Consists of 3 articles from 1962-63 issues of Russian journals.

Separate entries have been prepared for the individual articles.

PROBLEMS IN THE PRINCIPLES AND STRUCTURES OF SCIENTIFIC COMMUNISM. 6 Jan 64, 42p JPRS: 22615.
Order from OTS $1.25 TT-64-21216

Trans. of Voprosy Filosofii (USSR) 1963, v. 17, no. 5, p. 31-53, 118-123.

Separate entries have been prepared for the individual articles.

SOVIET SCIENCE AND EDUCATION. 23 Jan 64, 28p JPRS: 22862.
Order from OTS $0.75 TT-64-21370

Trans. of 5 selected articles from Dec 62-Feb 63, Nov-Dec 63 issues of various Russian language publications.

USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 101. 11 Feb 64, 30p JPRS: 23182.
Order from OTS $1.00 TT-64-21537

Consists of 8 articles from Nov 63-Jan 64 issues of Russian journals and newspapers.

Afanas'ev, V. G.
ON PRINCIPLES OF THE CLASSIFICATION OF WHOLE SYSTEMS. 6 Jan 64, 19p refs JPRS: 22615 (p. 10-28).
Order from OTS $1.25 in TT-64-21216 (p. 10-28)

Trans. of Voprosy Filosofii (USSR) 1963, v. 17, no. 5, p. 31-43.

Atutov, P. R.
THE APPLICATION OF CYBERNETICS IN PEDAGOGY. 11 Feb 64, 9p 10refs JPRS: 23187 (p. 1-9).
Order from OTS $0.75 in TT-64-21540 (p. 1-9)

Trans. of Sovetskaya Pedagogika (USSR) 1962, v. 26, no. 8, p. 147-152. (Abstract available)

Dzhunusov, M. S.
ON THE SUBJECT AND THE STRUCTURE OF THE COURSE "PRINCIPLES OF SCIENTIFIC COMMUNISM". 6 Jan 64, 9p JPRS: 22615 (p. 1-9).
Order from OTS $1.25 in TT-64-21216 (p. 1-9)

Trans. of Voprosy Filosofii (USSR) 1963, v. 17, no. 5, p. 118-123.

Markushevich, A. I.
COORDINATION OF SCIENTIFIC-RESEARCH WORK IN THE FIELD OF PEDAGOGICAL SCIENCES. 11 Feb 64, 7p JPRS: 23187 (p. 10-16).
Order from OTS $0.75 in TT-64-21540 (p. 10-16)

Trans. of Sovetskaya Pedagogika (USSR) 1962, v. 26, no. 8, p. 54-58.

Mazurov, K.
INCREASE THE EFFECTIVENESS OF PUBLIC PRODUCTION. USSR Industrial Development: Soviet Regional Economy no. 102. 19 Feb 64, 13p JPRS: 23302.
Order from OTS $0.50 TT-64-21604

Trans. from Ekonomicheskaya Gazeta (USSR) 1964 [no. 2(127)] 11 Jan, p. 3-5.

Rambaud, Louis
DE MARTIGNAC (1778-1832). [1963] [14p]
Order from SLA $1.60 TT-64-10351

Trans. of mono. L'Eloquence Francaise, v. 2, n.p. [1949] p. 79-88.

Val't, L. O.
RELATIONSHIP OF STRUCTURE AND ELEMENTS. 6 Jan 64, 14p refs JPRS: 22615 (p. 29-42).
Order from OTS $1.25 in TT-64-21216 (p. 29-42)

Trans. of Voprosy Filosofii (USSR) 1963, v. 17, no. 5, p. 44-53.

Documentation

Borisenko, I.
BIRTH OF WORLD'S RECORDS. [1963] 7p
Order from OTS, SLA, or ETC $1.10 TT-64-14128

Trans. of Aviatsiya Kosmonavtika (USSR) 1963 [v. 46] no. 8, p. 27-29.

Slovokhotova, N. P.
PROCESSING AND PUBLICATION OF THE RESULTS OF OPTICAL OBSERVATIONS OF ARTIFICIAL EARTH SATELLITES IN THE USSR (Obrabotka i Publikatsiya Rezul'tatov Opticheskikh Nablyudenii Iskusstvennykh Sputnikov Zemli v SSSR). 3 Feb 64, 4p 9refs AID Rept. T-64-8 (p. 59-62).
Order from OTS, SLA, or ETC $6.60 in TT-64-13687 (p. 59-62)

Trans. of Geofizicheskii Byulleten' (USSR) 1962, no. 12, p. 125-127.

BOOK REVIEWS

The following book reviews can be ordered by number from OTS or SLA for $1.10. Each review includes, in addition to the material shown, a detailed statement of the coverage of the book and detailed table of contents.

BR-SOV/6296
Belyayev, Remir Aleksandrovich
BERYLLIUM OXIDE; ITS PROPERTIES AND APPLICATION (Okis'berilliya; svoystva i primeneniye) Moscow Gosatomizdat, 1962. 238p. 3500 copies printed.

BR-SOV/6297
Nekrasov, Aleksandr Ivanovich
COLLECTED WORKS, V. 2 (Sobraniye sochineniy, tom 2). Moscow, Izd-vo AN SSSR, 1962. 706p. Errata slip inserted. 2200 copies printed.

BR-POL/6304
Ostrowski, Zbigniew
MECHANISM OF THE ADSORPTION OF ORGANIC CORROSION INHIBITORS ON MERCURY ELECTRODES) (Mechanizm adsorpcji organicznych inhibitorow korozji na elektrodach rteciowych) Gliwice, 1962. 110p. (Series: Gliwice. Politechnika Slaska. Zeszyty naukowe, no. 61. Praca Habilitacyjna, no. 18). 355 copies printed.

BR-POL/6347 (6348, 6349)
Urbanski, Tadeusz
CHEMISTRY AND TECHNOLOGY OF EXPLOSIVES (Chemia i technologia materialow wybuchowych) 3 v. Warszawa, WMON, 1954. Errata slip inserted. 5000 copies printed.

BR-SOV/6350
Berzon, I. S., A. M. Yepinat'yeva, G.N. Pariyskaya, and S. P. Starodubrovskaya
DYNAMIC CHARACTERISTICS OF SEISMIC WAVES IN REAL MEDIA (Dinamicheskiye kharakteristiki seysmicheskikh voln v real'nykh sredakh) Moscow, Izd-vo AN SSSR, 1962. 511p. Errata slip inserted. 2000 copies printed.

BR-SOV/6353
Savitskiy, Yevgeniy Mikhaylovich and others.
ALLOYS OF RARE-EARTH METALS (Splavy redkozemel'nykh metallov) Moscow, Izd-vo AN SSSR. 1962. 266p. Errata slip inserted. 3000 copies printed.

BR-SOV/6366
Trostyanskaya, Ye. B., B. A. Kolachev, and S. I. Sil'vestrovich
NEW MATERIALS IN ENGINEERING (Novyye materialy v tekhnike) Moscow, Gostoptekhizdat, 1962. 656p. 20,000 copies printed.

BR-SOV/6376
Aglintsev, K. K., V.M. Kodyukov, A. F. Lyzlov, and Yu. V. Sivintsev.
APPLIED DOSIMETRY (Prikladnaya dozimetriya) Moscow, Gosatomizdat, 1962. 246p. 7800 copies printed.

BR-SOV/6394
Artamonov, Vasiliy Mikhaylovich
AUTOMATIC ELECTRICAL CONTROL OF RADAR EQUIPMENT ON BOARD SHIPS AND AIRCRAFT (Elektroavtomatika sudovykh i samoletnykh radiolokatsionnykh stantsiy) Leningrad, Sudpromgiz, 1962. 362p. 6000 copies printed.

BR-SOV/6406
Roginskiy, Simon Zalmanovich, and Simon El'yevich Shnol'
ISOTOPES IN BIOCHEMISTRY; THEORETICAL PRINCIPLES, PROBLEMS AND RESULTS (Izotopy v biokhimii; teoreticheskiye osnovy, problematika, rezul'taty) Moscow, Izd-vo AN SSSR, 1963. 378p. Errata slip inserted. 5000 copies printed.

TRANSLATIONS IN PROCESS

AUTOMATION IN THE COAL AND MINING INDUSTRY.
PL-480 mono. Avtomatizatsiya v Ugol'noi i Gornorudnoi Promyshlennosti, Kiev, 1961, 231p.

CHEMISTRY OF EARTH'S CRUST.
Mono. Khimiya Zemnoi Kory, Moscow, 1963, 430p.
To be published by IPST.

FOREIGN FOOD LEGISLATION FROM DENMARK, SWITZERLAND, BELGIUM, AUSTRIA AND THE NETHERLANDS. Approx. 250p.
PL-480.

ION EXCHANGE SORBENTS IN INDUSTRY.
Mono. Ionoobmennye Sorbenty v Promyshlennosti, Moscow, 1963, 244p.
To be published by IPST.

OCEANOLOGY, 1962, VOL. II, NO. 5: SELECTED ARTICLES.
PL-480 [Okeanologiya] (USSR) 1962, v. 2, no. 5, p. 849-863.

PHYSIOLOGY AND PATHOLOGY OF THE DIENCEPHALIC REGION OF THE HUMAN BRAIN.
Mono. Fiziologiya i Patologiya Dienisefal'noi Oblasti Chelovecheskogo Mozga, Moscow 1963.
To be published by IPST.

PROBLEMS OF ENGINEERING SEISMOLOGY, NO. 8 (Voprosy Inzhernoi Seismologii, Vyp. 8).
[Akademiya Nauk SSSR]. Institut Fiziki Zemli. Trudy, 1963, no. 28(195) p. 3-146.

TECHNICAL [ENGINEERING] CYBERNETICS, 1964, NOS. 1-6.
[Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya]: Tekhnicheskaya Kibernetika, 1964, nos. 1-6.

VECTORS OF ENDEMIC DISEASE AGENTS.
Mono. Perenoschiki Vozbuditelei Prirodnoochagovykh Boleznei, n.p., 1962, 342p.
To be published by IPST.

VITREOUS STATES. VOL. I, CATALYTIC CRYSTALLIZATION OF GLASS.
Mono. Stekloobraznye Sostoyaniya I, Kataliziravannaya Kristallizatsiva Stekla, Moscow, 1963, 195p.
To be published by IPST.

Andreeva, L. E.
ELASTIC ELEMENTS OF INSTRUMENTS AND APPLIANCES.
Mono. Uprugie Elementy Priborov, Moscow, 1962, 456p.
To be published by IPST.

Belikov, M.P., Emel'yanov, V. A., and Nesterov, V.E.
USE OF RADIOACTIVE ISOTOPES IN HYDRAULIC CONSTRUCTION.
PL-480 mono. Primenenie Radioaktivnykh Izotopov v Gidrotekhnicheskom Stroitel'stve, Moscow, 1961, 163p.

Budylin, B.V. and Vorob'ev, A. A.
EFFECT OF IRRADIATION ON THE IONIC STRUCTURES.
PL-480 mono. Deistvie Izluchenii na Ionnye Struktury, Moscow, 1962, 167p.

Dzhibladze, E. A.
THE UNEVEN ENERGY RADIATION FROM FOCI, AND THE ABSORPTION COEFFICIENT OF SPHERICAL WAVES.
PL-480 Akademiya Nauk Gruzinskoi SSR, Tiflis. Soobshcheniya, 1957, v. 19, no. 1, p. 33-36.

Erenpreis, Ya. G.
FUNCTION OF NUCLEIC ACIDS IN THE DIFFERENTIATION OF NEOPLASTIC PROCESSES.
Mono. Rol' Nukleinovykh Kislot v Differentsirovke Malignizatsii, Riga, 1963, 168p.
To be published by IPST.

Grigor'ev, D. P.
BASIS OF THE CONSTITUTION OF MINERALS.
PL-480 mono. Osnovye Konstitutsii Mineralov, Moscow, 1962, 63p.

Gseikler, A. A.
METALLURGY OF COPPER AND NICKEL.
PL-480 mono. Metallurgiya Medi i Mikelya, Moscow, 1958, 391p.

Kalafati, D. D.
THERMODYNAMIC CYCLES OF NUCLEAR POWER STATIONS.
Mono. Termodinamicheskie Tsikly Atomnykh Elektrostantsii, Moscow, 1963. 280p.
To be published by IPST.

Konstantinova, M. A.
LUMINISCENT ANALYSIS.
Mono. Lyuminestsentnyi Analiz, Moscow, 1961, 399p.
To be published by IPST.

Korovnichenko, E. G.
VELOCITIES AND DEPTHS AS DETERMINED WITH JOINT USE OF TIME-DISTANCE CURVES FOR THE PURELY COMPRESSIONAL AND FOR ONE OF THE INTERCHANGEABLE TYPES OF REFRACTED WAVES.
PL-480 Akademiya Nauk URSR, Kiev. Instytut Geologichnykh Nauk. Trudy: Seriya Geofizicheskaya, 1958, v. 2, p. 120-129.

Krestnikov, V. N.
HISTORY OF THE DEVELOPMENT OF TECTONIC MOVEMENTS IN THE PAMIRS AND ADJACENT REGIONS IN ASIA.
PL-480 mono. Istoriya Razvitiya Kolebatel'nykh Dvizhenii Zemnoi Kory Pamira i Sopredel'nykh Chastei Asii, Moscow, 1962, 177p.

Kudritskii, D.M., Popov, I.V., and Romanova, E.A.
FUNDAMENTAL OF HYDROGRAPHIC ANALYSIS OF AERIAL PHOTOGRAPHS.
PL-480 mono. Osnovy Gidrograficheskogo Deshifrirovaniya Aerolosnimkov, Leningrad, 1956, 343p.

Kyupar, I. I.
GUIDING ANTIAIRCRAFT ROCKETS TO THE TARGET.
Mono. Navedenie na Tsel' Zenitnykh Raket, Moscow, 1963, p. 3-82.

Laikhtman, D. L. and Kachirina, L. G.
PROBLEMS OF TURBULENT DIFFUSION IN THE SURFACE LAYER OF THE EARTH'S ATMOSPHERE (Voprosy Turbulentnoi Diffuzii v Prizemnom Sloe Atmosfery).
Gidrometeorologicheskii Institut, Leningrad. Trudy (USSR) 1963, no. 15, p. 2-240.

Lidin, G. D. and others.
CONTROLLING ACCUMULATIONS OF METHANE IN COAL MINES.
PL 480 mono. Borba po Skopleniyami Metana v Ugol'nykh Shakhtakh, Moscow, 1961, 140p.

Musaelyan, Sh. A.
BARRIER (MOUNTAIN) WAVES IN THE ATMOSPHERE.
PL-480 mono. Volny Prepyatstvii v Atmosfere, Leningrad, 1962.

Nekrasov, A. M. and Rokotian, S. S.
LONG DISTANCE ELECTRICAL TRANSMISSION BETWWN THE V. I. LENIN HYDRO-ELECTRICAL STATION AND MOSCOW.
PL 480 mono. Dal'nyaya Elektroperedacha Volzhskaya GAS imeni V.I. Lenina-Moskva. Sbornik Statei, Moscow, 1958, 488p.

Rachinskii, V.V., Da-lin, Tszya, and Chistova, E.D.
THE INVESTIGATION ON DYNAMICS OF TRANSFERRING SALT SOLUTION IN POROUS MATERIALS (Issledovanie Dinakiki Perenosa Solei v Poristykh).
PL-480 [Moskovskaya] Sel'skokhozyaistvennaya Akademiya. Izvestiya (USSR) 1962, no. 2[45] p. 165-183.

Roginskii, S.Z. and Shnol', S.E.
ISOTOPES IN BIOCHEMISTRY, THEORY, PROBLEMS AND RESEARCH RESULTS.
Mono. Izotopy v Biokhimii, Teoreticheskie Osnovy, Problematika Rezul'taty, Moscow, 1963. 380p.
To be published by IPST.

Romanov, N. S.
BIBLIOGRAPHY OF LITERATURE ON FISHERIES OF THE FAR EAST FORM 1923-1956.
PL-480 mono. Ukazatel' Literatury po Rybnomu Khozyaistvu Dal'nego Vostoka za 1923-1956gg, Moscow, 1959, 290p.

Rusin, N. P.
METEOROLOGICAL AND RADIATIONAL REGIME OF ANTARCTICA.
PL-480 mono. Meteorologicheskii i Radiatsionnyi Rezhim Antarktidy, Leningrad, 1961, 448p.

Sheka, I. L., Chlus, I. S. and Mityureva, T. T.
GALLIUM.
Mono. Gallii, Kiev, 1963.
To be published by IPST.

Soulairac, Andre.
THE PHYSIOLOGY OF A BEHAVIOR.
Bulletin Biologique de la France et de la Belgique, 1947, v. 81, p. 3-4, 274-284, 297-304, 412-422.

Vel'vovskii, I. Z.
PSYCHOPROPHYLACTIC SYSTEM TO ELIMINATE PAINS AT DELIVERY.
Mono. Sistema Psikhoprofilakticheskogo Obezbolivaniya Rodov, n.p., 1963, 308p.
To be published by IPST.

Zvorykin, A. A. and others.
HISTORY OF ENGINEERING.
Mono. Istoriya Tekhniki, Moscow, 1962, 772p.
To be published by IPST.

PERIODICALS TRANSLATED COVER-TO-COVER

For basic list of Periodicals Translated Cover-to-Cover see Technical Translations Volume 11, Number 1.

This basic list is kept up-to-date by giving only changes in the subsequent issues of Technical Translations.

No changes are necessary for this issue.

Tables of Contents of Recently Translated Journal Sections

Following is a list by Russian title of the Tables of Contents appearing in this issue.

The Reproduced Tables of Contents are arranged alphabetically by English title.

Uspekhi Fizicheskikh Nauk (USSR) C-185
1958, v. 64, no. 1, p. 3-154, 193-195; no. 2, p. 197-313, 361-389; no. 3, p. 417-434, 447-528, 615-623; no. 4, p. 641-667, 669-731, 781-789.
Order from OTS $5.50

Uspekhi Fizicheskikh Nauk (USSR) C-188
1958, v. 65, no. 1, p. 2-110, 133-155, 157-158; no. 2, p. 161-174, 207-256, 313-349, no. 3, p. 387-406, 441-488, 521-543, 545-548; no. 4, p. 551-591, 593-719, 721-726, 733-738.
Order from OTS $5.75

Aeromagnitnaya S'emka v Geologii, ... C-192
Moscow, 1963, 123p.
Order from OTS $3.00

Kosmicheskie Issledovaniya (USSR) C-194
1963, v. 1, no. 2, p. 195-334.
Order from OTS, SLA, or ETC $16.00

Fizika Metallov i Metallovedenie C-196
(USSR) 1963, v. 15, no. 1, p. 5-160.
Order from PP $50.00/year

English Polish Medical Journal C-198
1962, v. 1, no. 5/6.
Order from OTS $3.25

Radiobiolgoiya (USSR) 1963, v. 3, ...C-200
no. 3, p. 329-485.
Order from OTS $3.00

These Contents are reproduced from best available copy.

ADVANCES IN PHYSICAL SCIENCES

(Uspekhi Fizicheskikh Nauk)

1958, VOL. 64, NOS. 1-4

Contents

Al'pert, Ya. L. A METHOD FOR STUDYING THE IONOSPHERE BY MEANS OF AN ARTIFICIAL EARTH SATELLITE 1

Dzhelepov, V. P. and B. M. Pontekorvo. STUDIES IN HIGH-ENERGY PARTICLE PHYSICS ON THE SYNCHROCYCLOTRON OF THE LABORATORY FOR NUCLEAR PROBLEMS OF THE JOINT INSTITUTE FOR NUCLEAR RESEARCH 13

Levshin, V. L. THE STUDY OF LUMINESCENCE PHENOMENA AND DEVELOPMENT OF THEIR APPLICATIONS IN THE SOVIET UNION 62

Rusinov, L. I. and G. M. Drabkin. NUCLEAR ISOMERISM AND THE STRUCTURE OF ATOMIC NUCLEI 105

Zheleznyakov, V. V. RADIO EMISSION OF THE SUN AND PLANETS 125

Shockley, V. PHYSICS OF TRANSISTORS (The Proceedings of the Institution of Electrical Engineers, 103 B(7): 23-41. 1956.) . . . xx

Kotov, V. I., A. B. Kuznetsov, and N. B. Rubin. PHYSICS OF MODERN RESONANCE ACCELERATORS 173

Fain, V. M. QUANTUM PHENOMENA IN THE RADIO-FREQUENCY RANGE 251

Fan, H. Y. INFRARED ABSORPTION IN SEMICONDUCTORS (Rep. Prog. Phys., 19: 107-155. 1956.) xx

Gell-Mann, M. and E. Rosenbaum. ELEMENTARY PARTICLES (Scientific American, 197: 72. 1957.) xx

Shklovskii, I. S. and P. V. Shcheglov. OPTICAL OBSERVATIONS OF ARTIFICIAL EARTH SATELLITES 319

Krasovskii, V. I., Yu. M. Kushnir and G. A. Bordovskii. RESEARCH ON THE CORPUSCULAR RADIATION FROM THE SUN WITH THE AID OF AN ARTIFICIAL EARTH SATELLITE 327

Rodberg, L. S. and V. F. Weisskopf. FALL OF PARITY (Science, 125: 627. 1957.) xx

Dmitrievskii, O. D., B. S. Neporent and V. A. Nikitin. HIGH-SPEED SPECTROMETRY 337

Deryagin, B. V., I. I. Abrikosova and E. M. Lifshits. MOLECULAR ATTRACTION IN THE CONDENSED STATE 380

Elsasser, W. M. MAGNETOHYDRODYNAMICS (Amer. J. Phys., 23: 590. 1955; 24: 85. 1956.) xx

MASSEY, H. THEORY OF SCATTERING OF SLOW ELECTRONS (Rev. Mod. Phys., 28: 171. 1956.) xx

In Commemoration of the 100th Anniversary of Max Planck

Planck, M. WISSENSCHAFTLICHE SELBSTBIOGRAPHIE (Leipzig. 1955.) xx

Von Laue, M. IN MEMORY OF MAX PLANCK (Funeral Oration on 7 October 1947 at Albany Church in Göttingen) xx

Raizer, M. D. and I. S. Shpigel'. STUDY OF PLASMA BY MEANS OF MICROWAVES 428

Fomenko, L. A. MAGNETIC SPECTRA OF FERRITES 456

Fan, H. Y. VALENCE SEMICONDUCTORS, GERMANIUM AND SILICON (Solid State Physics, Vol. 1, p. 284–365. 1952.) xx

New Apparatus and Methods of Measurement

Kuznetsov, E. V. BUBBLE CHAMBERS 290

Personalia

LEV DAVIDOVICH LANDAU (V. B. Berestetskii) 417

Meetings and Conferences

THE FOURTH ALL-UNION CONFERENCE ON LOW-TEMPERATURE PHYSICS (R. Chentsov) 526

SEMINAR ON THE THEORY OF DISLOCATIONS (L. E. Gurevich and S. I. Zhurkov) 538

CONFERENCE ON HIGH-SPEED PHOTOGRAPHY AND CINEMATOGRAPHY (M. P. Vanyukov and Yu. N. Gorokhovskii) 541

Reviews of Current Publications

CRYOTRON–A SUPERCONDUCTING ELEMENT OF FUTURE COMPUTERS (R. Chentsov) 167

STRATIFICATION OF SOLUTIONS OF LIQUID HELIUM ISOTOPES AT VERY LOW TEMPERATURES (R. Chentsov) 170

A NEW SUPERCONDUCTING MEMORY DEVICE (R. Chentsov) . . . 549

New Books

Kittel, Ch. INTRODUCTION TO SOLID STATE PHYSICS (V. Bonch-Bruevich) 550

LIST OF RUSSIAN ABBREVIATIONS 552

xx These works have been translated into Russian from Western literature and thus only the references are given here.

ADVANCES IN PHYSICAL SCIENCES

(Uspekhi Fizicheskikh Nauk)

1958, VOL. 65, NOS. 1-4

Table of Contents

	Russian page	English page
Kolesnikov, V. N. and L. V. Leskov. OPTICAL TRANSITION PROBABILITIES FOR ATOMS AND DIATOMIC MOLECULES	3	1
Golant, V. E. SUPER-HIGH FREQUENCY GAS DISCHARGES	39	45
Pomerantsev, N. M. SPIN ECHOES AND THEIR APPLICATION	87	94
Fan, H. Y. VALENCE SEMICONDUCTORS-GERMANIUM AND SILICON. (Solid State Physics, Vol. 1. pp. 285–365, 1955; continued from UFN, 64.)	111	*
Shapiro, F. L. SEVERAL POSSIBILITIES OF USING POLARIZED THERMAL NEUTRONS IN VIEW OF PARITY NONCONSERVATION DURING β-DECAY	133	117
Al'pert, Ya. L., F. F. Dobryakova, E. F. Chudesenko, and B. S. Shapiro. THE DETERMINATION OF ELECTRON DENSITY IN THE OUTER REGIONS OF THE IONOSPHERE FROM OBSERVATIONS OF RADIO SIGNALS RECEIVED FROM THE FIRST ARTIFICIAL EARTH SATELLITE	161	150
CONTROLLED RELEASE OF THERMONUCLEAR ENERGY (Series of articles in Nature, 181(4604): 217–233. 1958.)		
Thonemann, Dr. P. C., E. P. Butt, R. Carruthers, Dr. A. N. Dellis, D. W. Fry, Dr. A. Gibson, G. N. Harding, D. J. Lees, R. W. P. McWhirter, R. S. Pease, Dr. S. A. Ramsden, and S. Ward. PRODUCTION OF HIGH TEMPERATURES AND NUCLEAR REACTIONS IN A GAS DISCHARGE	175	*
Spitzer Jun. and Prof. Lyman. COOPERATIVE PHENOMENA IN HOT PLASMAS	182	*

Allen, Dr. N. L., Dr. T. E. Allibone, F. R. S., D. R. Chick, R. F. Hemmings, T. P. Hughes, Dr. S. Kaufman, B. S. Liley, J. G. Mack, Dr. H. T. Miles, Dr. R. M. Payne, J. E. Read, Dr. A. A. Ware, J. A. Wesson and R. V. Williams. A STABILIZED HIGH-CURRENT TOROIDAL DISCHARGE PRODUCING HIGH TEMPERATURES . . . . . 184 *

Burkhardt, Dr. L. C., Dr. R. H. Lovberg, and Dr. J. A. Phillips MAGNETIC MEASUREMENT OF PLASMA CONFINEMENT IN A PARTIALLY STABILIZED LINEAR PINCH . . . . 188 *

Hagerman, Dr. D. C. and Dr. J. W. Mather. NEUTRON PRODUCTION IN A HIGH-POWER PINCH APPARATUS . . . 191 *

Burkhardt, Dr. L. C. and Dr. R. H. Lovberg. NEW CONFINEMENT PHENOMENA AND NEUTRON PRODUCTION IN A LINEAR STABILIZED PINCH . . . . . 196 *

Honsaker, Dr. J., Dr. H. Karr, Dr. J. Osher, Dr. J. A. Phillips, and Dr. J. L. Tuck. NEUTRONS FROM A STABILIZED TOROIDAL PINCH . . . . . 200 *

Belov, K. P. FERROMAGNETICS AND ANTIFERROMAGNETICS NEAR THE CURIE POINT 207 164

Wigner, E. P. RELATIVISTIC INVARIANCE AND QUANTUM PHENOMENA. (Rev. Mod. Phys., 29(2): 225. 1957.) . . 257 *

Epstein, P. S. THEORY OF WAVE PROPAGATION IN A GYROMAGNETIC MEDIUM. (Rev. Mod. Phys. 28(1): 3. 1956.) . . . . . 283 *

Buchel'nikova, N. S. NEGATIVE IONS 351 243

Rozhanskii, V. N. IRREGULARITIES IN THE PLASTIC DEFORMATION OF CRYSTALS 387 280

Ludlam, F. H. LUMINOUS CLOUDS (Tellus, 9(3): 341. 1957.) 407 *

Sushchinskii, M. M. USE OF ROTATIONAL RAMAN SPECTRA FOR THE DETERMINATION OF MOLECULAR STRUCTURAL PARAMETERS 441 302

Kravtsov, V. A. NEW MEASUREMENTS OF ATOMIC MASSES 451 312

Abrikosov, A. and I. Khalatnikov, MODERN THEORY OF SUPERCONDUCTIVITY 551 377

Akhiezer, A. I. and I. Ya. Pomeranchuk. DIFFRACTION PHENOMENA IN COLLISIONS OF FAST PARTICLES WITH NUCLEI 593 416

Bagaryatskii, B. A. HYDROGEN EMISSION IN AURORAL SPECTRA 631 453

Milyutin, V. I. ELECTRON WAVE INTERFERENCE 665 486

PRESENT-DAY PHYSICS

Editors' Note 313 217

Post, R. F. FUSION POWER (Scientific American. 197(6): 53. December 1957.) . . . . . 314 *

Bohr, Aage. ON THE STRUCTURE OF ATOMIC NUCLEI (Fys. Tidsskr, 54: 1. 1956.) . . . . . 489 *

Unsold, A. ENERGIEERZEUGUNG UND ENTWICKLUNG DER STERNE (Naturwiss., 44(6): 145. 1957.) . . . . . 499 *

NEW APPARATUS AND METHODS OF MEASUREMENT

Nalimov, V. V. and B. S. Neporent. METHODS FOR THE FILING OF MOLECULAR SPECTRA 521 347

Kravtsov, V. A. A NEW HIGH-PRECISION MASS SPECTROMETER 541 368

Ryabinkin, Yu. S. MODERN HIGH-FREQUENCY TRANSISTORS 689 510

PERSONALIA

SEMEN PETROVICH SHUBIN (S. V. Vonsovskii, N. A. Leontovich, and I. E. Tamm) 733 551

MEETINGS AND CONFERENCES

XI CONFERENCE ON SPECTROSCOPY (N. Kaliteevskii, B. Neporent and P. Feofilov) 141 125

INTERNATIONAL CONGRESS ON ELEMENTARY PARTICLES IN ITALY (D. Ivanenko) 331 218

VIII ANNUAL CONFERENCE ON NUCLEAR SPECTROSCOPY (D. Varshalovich) 721 542

REVIEWS OF CURRENT PUBLICATIONS

DIRECT DETERMINATION OF THE SPECTRUM OF ELEMENTARY EXCITATIONS IN LIQUID HELIUM II (R. Chentsov) 545 371

NEW VALUES OF UNIVERSAL CONSTANTS (1955) (V. A. Ugarov). . . . . 727 **

NEW BOOKS

Vishenchuk, I. M., E. P. Sogolovskii, and B. I. Shvetskii. THE CATHODE RAY OSCILLOSCOPE AND ITS APPLICATIONS IN MEASUREMENT TECHNIQUES I. R. Litinetskii and N. M. Shumilovskii) 157 147

Bonch-Bruevich, editor. PROBLEMS OF THE PHYSICS OF SEMICONDUCTORS (V. S. Vavilov) 547 374

Khalatnikov, I. M., editor. NEW SYMMETRY PROPERTIES OF ELEMENTARY PARTICLES (I. S. Shapiro) 739 558

OBITUARY

FREDERIC JOLIOT-CURIE 550 376

LIST OF RUSSIAN ABBREVIATIONS 560

* [The original text of these articles is not reproduced in this volume. See respective source.]

** This list was compiled by J. DuMond and E. R. Cohen and presented at the International Congress on Universal Constants in Turin, 1956. It appears in Supplemento al Vol. 6, ser. X del Nuovo Cimento, No. 1, 1957.

AEROMAGNETIC SURVEY IN GEOLOGY

- USSR -

Following is the complete translation of the Russian-language anthology Aeromagnitnaya s'emka v geclogii (Aeromagnetic Survey in Geology), Moscow, 1963, State Publishing House on Geology and Mineral Conservation, 123 pages. Authors' name accompanies each article.

TABLE OF CONTENTS

	Page
FOREWORD	1
The Anomalous Magnetic Field of the USSR, by T. N. Simonenko	3
A Method for Interpreting Magnetic Anomalies Detected in an Aeromagnetic Survey, by A. A. Borisov ...	17
The Problem of the Use of an Aeromagnetic Survey for the Purpose of Large-Scale Geological Mapping, by N. D. Palitsyn ...	31
The Effectiveness of an Aeromagnetic Survey at 1:50,000 in Platform Regions, by P. A. Kukin ...	59
Tectonic Structure of the Ural-Pay-Khoy Province (as Indicated by Aeromagnetic Data) A. M. Zagorodnov ...	65
The Use of Aeromagnetic Survey to Study the Crystalline Foundation of the Caspian Depression, by N. M. Sytina	81
New Data on the Geotectonic Zoning of the Timano-Pechora Depression (According to Aeromagnetic Data), M. I. Zalipukhin	93

Table of contents(Cont'd) Page

The Deep-Seated Structure of the Southwestern Part of the Turgay Trough, by B. I. Komissarov 103

Aeromagnetic Investigations in the Mugodzhar Mountains and Prospects for Seeking Mineral Deposits, by B. I. Komissarov 111

Aeromagnetic Survey of the Central Sector of the Soviet North, by D. V. Levin ... 116

A Technique of Aeromagnetic Survey in a Mountain Region, by V. I. Mitroshin ... 136

Calculating the Depth of Magnetized Bodies by Points of Inflection of the Curves of Magnetic Anomalies, by Yu. M. Gusev ... 143

Determining the Angle of Magnetization of Bed-Like Bodies with Bounded Dip by Magnetic Anomalies, by A. V. Glazunova, ... 160

COSMIC RESEARCH
(Kosmicheskie Issledovaniya)

1963, VOL. 1, NO. 2

TABLE OF CONTENTS

Page

Certain Problems of Astrodynamics and Celestial Mechanics, by G. N. Duboshin and D. E. Okhotsimskii 1

The Radiation of the Solar Corona in the Soft X-Ray Region, by E. P. Fetisov 30

Apparent Motions of the Earth in the Lunar Sky, by V. V. Shevchenko 44

Two-Dimensional Problem of Establishing a True Indicatrix of Brightness Based on the Measured Smoothed Intensity, by A. A. Dmitriev 51

Scattering of Light in a Spherical Atmosphere. II. By, I. N. Minin and V. V. Sobolev 61

Investigation of the Thermal Radiation Field of the Stratosphere and Troposphere in the Infrared Region of the Spectrum Using Geophysical Balloons, by M. N. Markov, Ya. I. Marson, and M. P. Shamilev 74

The Demand for Accuracy in Obtaining Meteorological Information From Artificial Earth Satellites, by B. M. Novikov and V. A. Zyabrikov 97

Argon Ionization in the Upper Atmosphere, by A. D. Danilov . . . 108

Upper Atmospheric Detection of O^+ Ions with Higher than Thermal Energy, by V. G. Istomin 116

Mass-Spectrometric Measurements of He^+, N^+, O^+, NO^+, and O_2^+ Ion Distribution in the Earth's Atmosphere up to 430 km, by A. A. Pokhunkov 128

Effect of High-Energy Protons on Silicon Photocells, by B. M. Golovin, G. M. Grigor'eva, A. P. Landsman, and B. P. Osipenko 135

Page

A Series of Miniature Mass Spectrometers for Investigating the Composition of Neutral and Ionized Gases in the Upper Layers of the Atmosphere, by V. A. Pavlenko, A. E. Rafal'son, and M. D. Shutov 162

Miniature Wide-Band Electrometer Amplifier, by M. E. Slutskii, B. I. Zarkhin, and M. A. Pushkina 175

Ensuring Radiation Safety During Flights of Vostok-3 and Vostok-4, by V. V. Antipov, Yu. I. Efremov, M. D. Nikitin, I. A. Savenko, and P. P. Saksonov 186

Dose of Cosmic Radiation in Bio-Units of Vostok-3 and Vostok-4, by V. N. Lebedev, V. S. Morozov, G. F. Murin, M. D. Nikitin, and M. I. Salatskaya 196

Effect of Space Flight Factors on the Vostok-3 and Vostok-4 on the Microspores of Tradescantia Paludosa, by N. L. Delone, P. R. Popovich, V. V. Antipov, and V. G. Vysotski 200

Effect of Space Flight Factors on the Incidence of Sex-Linked Recessive Lethal Mutations in Drosophila Melanogaster, by Ya. L. Glembotskii, Yu. A. Lapkin, G. P. Parfenov, and E. M. Kamshilova 225

THE PHYSICS OF METALS AND METALLOGRAPHY

FIZIKA METALLOV I METALLOVEDENIE

VOLUME 15, No. 1 CONTENTS 1963

	PAGE
B. N. Finkel'shteyn	1
Principal research problems in the sphere of the physics of ductility and strength — V. L. Indenbom and A. N. Orlov	3
Superconducting ellipsoid in a magnetic field — G. F. Zharkov and Hsui Lung-tao	8
Theory of X-ray scattering by crystals containing dislocations. Screw and edge dislocations randomly distributed throughout the crystal — M. A. Krivoglaz and K. P. Ryaboshapka	14
Theory of nuclear magnetic resonance in ferro- and antiferromagnetics — Yu. M. Seidov	27
Dependence of the elasticity constants of binary alloys on ordering — V. T. Shmatov	32
Resonance effects in magnetically equiaxed ferro-dielectric single crystals having domain structure — K. B. Vlasov and L. G. Onopriyenko	41
Magnetic properties of transformer steel with cubic texture — Ya. N. Kunakov and B. G. Livshits	52
Initial stages of supersaturated solid solution disintegration in an alnico-type alloy — L. M. Magat	56
Some thermo-physical characteristics of iron silicides — P. V. Gel'd and R. P. Krentsis	59
Eddy current method for the selective measurement of small changes in the parameters of a ferromagnetic cylinder — I. Ye. Korobeynikova and N. M. Rodigin	67
Relation between composition and hardness at different temperatures in the system magnesium-cadmium — V. P. Shishokin and K. N. Bazilevskiy	71
"Hereditable" effect of work-hardening on the properties of steel — M. L. Bernshteyn and M. A. Shtremel'	76
Combined effect of thermal cycling and a tensile external force on certain properties of polycrystalline zinc — S. Ya. Zalivadnyy, V. M. Mikhaylovskiy and A. K. Malik	85
A peculiarity in the kinetics of diffusion processes — A. I. Bykhovskiy	89
Nickel self-diffusion — A. Ya. Shinyayev	93
Gamma-spectral method as a possibility for studying the simultaneous diffusion processes of two components — P. V. Pavlov and V. A. Uskov	98
Strengthening, softening and grain size as factors affecting the rate in different sectors of stress-strain diagrams — L. D. Sokolov	101
Damping capacity method of studying cold-rolled transformer steel — M. I. Bayazitov and V. Ye. Kochnov	104
Previous deformations at 4.2 and 300°K compared as influencing the creep characteristics of nickel at 700°C — V. M. Azhazha, I. A. Gindin and Ya. D. Starodubov	109
Short reports and letters to the editor:	
Domain structure of magnesium-manganese ferrite single crystals — A. I. Drokin and V. D. Dylgerov	116
Mechanism of nickel oxidation — B. M. Vasyutinskiy and G. N. Kartmazov	120
Certain properties of the γ-phase in the Cu-Zn system — K. K. Kasymbikova and A. A. Presnyakov	123

(Continued inside back cover)

Printed in Great Britain by Compton Printing Works (London) Ltd., London, N.1.

FIZIKA METALLOV I METALLOVEDENIE

Vol. 15, No. 1, 1963

Chief Editor:
S. V. VONSOVSKII

Deputy Chief Editor:
V. I. ARKHAROV

EDITORIAL BOARD:

V. I. ARKHAROV
S. V. VONSOVSKII
V. D. KUZNETSOV
G. V. KURDYUMOV
B. G. LAZAREV
A. G. LESNIK
A. N. ORLOV
V. A. PAVLOV
V. D. SADOVSKII
R. I. IANUS
YA. S. SHUR

VOLUME 15, No. 1 CONTENTS—*continued* 1963

PAGE

Resonance line broadening by quadrupole-quadrupole interactions N. G. KOLOSKOVA 126

Hall constant as dependent on temperature and spontaneous magnetization in ferronickel alloys N. V. BAZHANOVA 129

Constitution diagram of the system Nb-Sn V. S. KOGAN, A. I. KRIVKO, B. G. LAZAREV, L. S. LAZAREVA, A. A. MATSAKO and O. N. OVCHARENKO 132

Some features of the structure of white layers V. D. KUZNETSOV, K. V. SAVITSKIY and N. N. SUKHARINA 135

Effect of Ni and Si on the physical properties of α-iron G. M. FEDASH and V. I. SUROVOVA 138

Effect of cold deformation and ageing on the thermal conductivity, electrical resistivity and lorentz number of chromium-nickel austenitic steels B. Ye. NEYMARD and T. I. BYKOVA 140

Magnetic properties of binary systems of mixed lead-barium and lead-strontium ferrites Ye. S. BOROVIK and N. G. YAKOVLEVA 143

Magnetic moments of small superconductors HSU LUNG-TAO and G. F. ZHARKOV 145

Residual resistivity method of determining the purity of aluminium B. N ALEKSANDROV and N. M. VASIL'YEVA 148

Iron self-diffusion in dependence on its cerium content A. P. LYUBCHENKO, D. G. SHERMAN and G S. KUZ'MINOV 155

Publisher's notice to readers on the supply of an English translation of any Russian article mentioned bibliographically or referred to in this publication.

The Pergamon Institute has made arrangements with the Institute of Scientific Information of the U.S.S.R. Academy of Sciences whereby they can obtain rapidly a copy of any article originally published in the open literature of the U.S.S.R.

We are therefore in a position to supply readers with a translation (into English or any other language that may be needed) of any article referred to in this publication, at a reasonable price under the cost-sharing plan.

Readers wishing to avail themselves of this service should address their request to the Administrative Secretary, The Pergamon Institute, or Research Information Services at either:

122 East 55th Street, New York, N.Y.,
or
Headington Hill Hall, Oxford.

POLISH MEDICAL JOURNAL

1962, VOL. 1, NO. 5/6

CONTENTS

Page

R. Fenigsen: The double apical impulse. Palpatory findings and tracings obtained with Mounsey's device 613

Z. Lewicki, H. Tubylewicz: Detection of *Listeria Monocytogenes* with the use of labeled antibodies 644

A. Porębska, K. Zemburowa, J. Georgiades: Immunoelectrophoretic pattern of blood serum protein in patients with epidemic hepatitis . . . 651

W. Czarniecki: Studies on the fibrinolytic system in the course of hemodialysis performed by means of Alwall's artificial kidney . . . 660

Z. Wiktor, K. Jacyszyn, L. Dec: Renal vascular resistance in hypertension 671

J. Jordan, A. Sernicki: Contribution to the comparative anatomy of the nasal septum in primates 680

J. Małecki, Z. Ukleja, K. Pawlak: Observations on the structure and function of planum semilunatum 685

W. Fortak: The effect of partial excision of liver parenchyma on the distribution and activity of phosphatases in the kidneys of white rats 689

K. Vorbrodt: Histochemical remarks on the succinic dehydrogenase system in the ovary and mammary glands of pregnant rabbits 708

B. Konopacka, Z. Szańkowska: The role of alkaline phosphatase in the fertilization and in the early developmental stages of nereis diversicolor (M) 715

S. Jabłońska, T. Chorzelski: Cutaneous forms of *periarteritis nodosa* . . 724

W. Manikowska-Lesińska: Clinical and experimental studies on the value of benzathine penicillin in syphilis treatment 728

S. Bagiński: Morphology of the neuroglia of the brain of octopus of the genus elodone 737

Z. Piechucki, J. Rdzanek: Gross beta radioactivity in some Polish foods of plant origin 751

H. Gertig, D. Czyżak: The variability of the alkaloid complex of *Datura sanguinea R. et P.* during the wegetational season 760

Z. Sykulska: The investigation of alkaloids of *Cynoglossum off. L.* . . 768

L. Krówczyński: Complete deformation rate of suppositories and releasing active substances capacity — a criterion for the evaluation of modern fatty bases 770

L. Krówczyński: Complete deformation rate of suppositories and active substances releasing capacity — a criterion for the evaluation of modern fatty bases. Part II. In vitro determination of medicaments release from fatty bases 794

H. Żółkiewicz-Rodziewicz: Salicylhydroxamic acid as an antimycotic drug 815

Z. E. Kalinowska, J. Bartnik-Kurzawińska: Coulometric microdetermination of reserpine in substance and tablets 820

A. Waksmundzki, D. Ratajewicz, E. Soczewiński: Quick method for chromatographic separation of brucine and strychnine 829
A. Waksmundzki, M. Kaczor: Resolution of racemic adrenaline into its optically active isomers by paper chromatography 832
T. Dutkiewicz, I. Lisikowa: Morphine determination by the colorimetric method 837
Z. Gołucki, M. Aniołowska: Investigations of oxidizing action of air carried out on a simple apparatus for aerating anhydrous fatty bases . . 844
H. Ellert, T. Jasiński, I. Pawełczak: Non-aqueous titration of picrolonates of certain amines 852
J. Pasich, K. Stasiewska: Easy gravimetric method of the determination of hydroxizine, dyphylline, chlorpromazine and ethionamide in suppositories 857
A. Smoczkiewiczowa, T. Smoczkiewicz-Szczepańska: Microdetermination of copper in mineral waters 859
A. Smoczkiewiczowa, T. Smoczkiewicz-Szczepańska: Microdetermination of copper in vegetable drugs and pharmaceutical preparations . . . 863
A. Smoczkiewiczowa, Z. Uhaczowa: Influence of various amounts of ethanol on blood serum protein 869
J. Wojciechowski: Synthesis of 2,4-dimethoxy-6-aminopyrimidine and related compounds 876
S. Biniecki, W. Modrzejewska: Synthesis of 2-/-phenethylamino/-pyridine and 2-/-phenethylamino/-thiazole 882
S. Biniecki, E. Muszyński, H. Jagiełłowicz, Z. Chojnacka: Synthesis of DL — 3,4-dimethoxyphenyl/ — N — /3',4'-dimethoxybenzyl/-isopropylamine and of DL — -/3,4-methylendioxyphenyl/ — N — 3',4'-methylendioxybenzyl/-isopropylamine 887
A. Kotełko: Studies on the hydrogenation of aminonitriles. I. On the catalytic hydrogenation of N-acylaminoacetonitriles 893
A. Kotełko: Studies on the hydrogenation of aminonitriles. II. On the reaction of cyanoethylation of aminoacetonitrile 898
K. Myszkowska: Evaluation of ACTH preparations by paper electrophoresis 904
K. Myszkowska: Evaluation of crystalline somatotropin by paper electrophoresis 908
Z. Fedorowska: Effects of various purifying reagents on results of honey tests 910
H. Ellert, T. Jasiński, K. Węcławska: Photometric titration of barbituric acid derivatives in non-aqueous solvents 923
P. Wierzchowski, A. Adamiec, W. Konieczny, E. Polus, K. Sieczkowska: Biosynthesis of gibberellic acid 926

RADIOBIOLOGY
(Radiobiologiya)

1963, VOL. 3, NO. 3

TABLE OF CONTENTS

	page	Russ. Pa
For the Further Development of Biological Science.....	1	329
Ryabchenko, N. I. and Tseitlin, P. I., Investigation of DNA Radiation Damages by the Method of Thermal Strand Separation. II. Effect of Ionizing and Ultraviolet Radiation upon the Separation of Two-Stranded DNA.....	4	331
Konstantinova, V. V., Physicochemical Changes in Deoxyribonucleic Acid under the Effect of Plutonium-239 in vivo.....	11	336
Kuz'minskaya, G. N., Changes in Sorption Properties of Certain Cells and Tissues of White Mice Exposed to Whole-Body X-Irradiation.....	18	341
Prokhonchukov, A. A., Effect of Radioactive Phosphorus upon Mineral and Protein Metabolism in Calcified Tissues.....	24	345
Elkina, N. I., Phosphatase Activity and Content of Calcium, Phosphorus and Nitrogen in Rabbit Bony Tissue after Injury with Plutonium-239.....	32	351
Sosova, V. F., Dynamics of Variation of the Amount of Introduced Gamma-Globulin in Rabbit Blood Serum During Radiation Sickness.....	37	355
Kolomiitseva, I. K., Free Radicals in Liver and Spleen Lipids of Irradiated Rats.....	44	359
Zyuzin, I. K., Significance of Certain Microelements in the Evolution of Radiation Micropathology.....	51	364
Burykina, L. N. and Trusova, N. E., Changes in Spermatogenic Function of Dogs in Chronic Injury by Strontium-90.....	59	369
Lebedeva, J. D., Experimental Study of the Effect of Stable Phosphorus upon Accumulation of P^{32} in Fishes.....	70	377
Aleksandrova, M. F. and Selivanova, L. N., Reaction of the Blood System of Dogs upon Chronic Poisoning with Strontium-90 Depending on the Original Condition of Hematopoiesis.....	78	383
Gruzdev, G. P., Fedotova, M. I. and Shcherbova, E. N., On Certain Patterns of Devastation of the Bone Marrow in Gamma-Irradiated Rats.....	87	389
Tseveleva, I. A., The Effect of Ionizing Radiation of the Content and Metabolism of Nucleotides in Rabbit Lymphoid Tissue.....	93	393
Stepanova, T. S. and Tyukov, D. M., The Dynamics of Bio-Electric Activity of Rabbit's Brain upon Short-Wave Ultraviolet Irradiation.....	103	400
Lebedev, A. N., The Role of Tectum Mesencephali and Sub-Thalamus in the Formation of an Early Bio-Electric Reaction of Rabbit Cerebral Cortex to a Total-Body Ionizing Irradiation.....	113	408
Sidorov, B. N. and Sokolov, N. N., The Radiation Analysis of Chromosome Discreteness in the Process of Autoreproduction..	122	415

Russ. Page		page	Russ. Page
329	Abeleva, E. A. and Lapkin, Yu. A., Dependence of the Recessive Sex-Linked Lethal Mutation Frequency in Drosophila Spermiogenesis on the Fast Neutron Dose.....	129	420
	Delone, N. L., Changes in Radiosensitivity of Tradescantia Paludosa Microspores in the Course of Mitosis.....	132	422
331	Tarasenko, N. D., The Action of Gamma Rays, Fast Neutrons and Ethyleneimine upon Mutability and Chromosome Aberrations in Potato Seedlings.....	139	427
336	Shapiro, N. I. and Tolkacheva, E. N., A Comparative Study of the Effects of Protective Agents in Irradiation of Tumorous and Normal Tissues.....	144	431
341	Ganassi, E. E., Eidus, L. Kh. and Arifulina, R. A., Investigation in Vitro of the Mechanism of Action of		
345	Chemical Radioprotectors. Communication I.....	156	440
	Pareishvili, E. A., Ogandzhanyan, E. E. and Kheifets, Yu. B., Effect of Different Sinestrol Doses on Hemopoiesis and		
351	Survival of Irradiated C_{57} Strain Black Mice.....	166	447
	Yarmonenko, S. P. and Shmakova, N. L., Cytological Analysis of the Effect of High-Energy Protons. Communication 2.		
355	Effect of S, β-Aminoethylisothiuronium (AET) on the Destruction, Mitoses and Chromosome Aberrations in the		
359	Bone Marrow of Mice Subjected to Total-Body Irradiation with 660 Mev Protons.....	174	453
364	Libinzon, R. E., Konstantinova, V. V., Popova, T. G. and Rogacheva, S. A., On the Mechanism of Therapeutic Effect		
369	of High-Polymeric DNA in Radiation Sickness.....	179	456
	Mikhailova, E. G., Distribution of S^{35} Between Organs and		
377	Tissues of Rats Following Intraperitoneal Injection of Some S-Labeled Sulfur-Containing Radioprotective Preparations.	189	463
	Parkhomenko, I. M., The Effect of Some Radioprotectors Applied upon Gamma Irradiation of the Cells of Cynomolgus		
383	Monkey Heart (CMH) in Vitro.....	195	467
	Kuzin, A. M. and Kasymov, A. K., Formation of Substances Which Inhibit the Growth and Development in Gamma		
389	Irradiated Potato Tubers.....	203	472
	Ivanitskaya, A. F., Use of the Explantation Method for the Study of Fast Neutron Action on White Mouse Spleen.....	210	477
393	Chronicle		
	Tolkacheva, E. N. and Ganassi, E. E., Symposium on Action Mechanisms of Protective Agents.....	220	483
400			
408			
415			

Author

AUTHOR INDEX

Author	Page
Abanin, D.D.	597
Abdullaev, V. D.	547
Abezgauz, A. M.	539
Abov, Yu. G.	605
Adamchuk, Yu. V.	605
Adrov, M. M.	572
Afanas'ev, V. G.	620
Afinogenov, L. P.	588
Aglintsev, K. K. (BR-SOV/6376)	A-9
Akhlibininskii, B. V.	619
Akimov, V. M.	561
Akopyan, M. A.	539
Aksel'rod, Z. M.	577
Aksenova, G.P.	556
Akulovich, V. M.	571
Aleksandrov, N.A.	526
Aleksandrov, S. N.	547
Aleksandrov, V. G.	527
Aleksandrova, E. N.	553
Aleksandrowicz, J.	536
Alekseenko, G. K.	595
Alekseeva, Z. M.	597
Aleksic, M.	605
Aleksin, V. F.	610
Alexander, K. F.	605
	612
Alibegovic, S.	545
Alikhanov, R. A.	614
Almeida Relvas, M. E.	557
Alov, A. A.	595
Al'pern, D. E.	539
Ambros, S.	551
Amirov, R. O.	544
Amayan, A. A.	567
Anastasijevic, R. P.	532
Andelkovic, J.	570
Andreeff, A.	606
Andreev, K. K.	558
	561
Andreeva, L. E.	B-17
Andronov, A. A.	589
Andrushchenko, N. K.	615
Anisimov, A. M.	592
Anosov, D. V.	589
Antelava, N. V.	551
Antonijevic, I.	568
	569
Antonishin, N.V.	615
Antonov, A. V.	606
Antonovskaya, E. I.	601
Apel, K.	578
Appen, A. A.	584
Ariskin, V. I.	528
Arndt, K.	561
Aronov, D. M.	539
	540
Arsenin, V. V.	610
Arshinova, M. N.	544
Artamonov, V. M. (BR-SOV/6394)	A-9
Astakhov, I. I.	585
Atanasković, R.	569
Atutov, P. R.	620
Averbukh, B. D.	562
Avgul', N. N.	561
Avramovic, V.	570
Azbelev, V. V.	552
Azovskii, Yu. S.	611
Babushkina, L. G.	549
Badaeva, T. A.	593
	595
	596
	598
Bagaryatskii, Yu. A.	596
Bagdasarov, Yu. E.	615
Bagotskaya, I A.	561
Bagotskii, V. S.	562
Bagrov, G. N.	597
	598
Baier, W.	595
Bakshtanskii, E. L.	552
Balabukha, V. S.	547
Balandin, A. A.	558
Baldov, A. L.	596
Balklav, A.	528
Ball', T. V.	535
Bally, D.	606
Bal'shin, M. Yu.	596
Baraboi, V. A.	547
Baranowski, K.	580
Barbou, G.	581
Bardin, I. P.	602
Barsukov, K. A.	612
Bata, G.	593
	594
Batashev, K.P.	561
Batyrov, Sh. B.	619
Bauman, E. A.	548
Beckman, H.	583
Begunkova, A. F.	616
Bekturov, A.	526
Belikov, M. P.	B-17
Bellen, Z.	556
Belloni, M. G.	606
Belobragina, G. V.	549
Beloua, A. L.	590
Belousov, P. I.	551
Belov, A. F.	590
Belov, K. P.	614
Belyantsev, A. M.	618
Belyatskaya-Potaenko, Yu. S.	555
Belyayev, R. A. (BR-SOV/6296)	A-9
Berberovic, L.	552
Beretovskii, G. N.	578
Beretta, V.	575
Berezhnov, I. P.	540
Berezovs'kyi, V. Ya.	532
Bergh, H.	592
Berkovich, S. Ya.	616
Berkutov, A. N.	548
Berovic, N.	605
Bertin, J.	575
Bertsch, H.	559
Berzon, I. S. (BR-SOB/6350)	A-9
Beskorovainyi, N. M.	596
Bezrukov, P. L.	572
Bidulya, P. N.	596
Biehler, F.	559
Billigmann, J.	584
	601
Blagovolin, N.S.	570
Blanter, M. E.	603
Blinowski, K.	614
Blinova, E. I.	572
Bobyrenko, Yu. Ya.	586
Bochagova, D. I.	548
Bocharov, D. A.	526
Bodunov, M. N.	582
Boeck, E.	584
Bogatov, L. V.	548
Bogatyrev, Yu. K.	618
Bogdankevich, L. S.	611
Bogdanovic, M.	531
Bogdanovich, M. M.	574
Bogomolov, V. I.	560
Bojanovic, J.	533
	538
Bojanovic, Z.	533
Bokacheva, L. P.	616
Bordyushkov, Yu. N.	840
Boreli, F.	605
Boreli, M.	594
Borisenko, I.	620
Borisova, T.A.	535
Borkov, N. V.	597
Boullard, B.	527
Bozhov, I. S.	576
Braer, E.	532
Braginskii, V.	589
Braines, S. N.	552
Brankovic, M.	553
Braum, M. P.	601
Braun, A. D.	542
Braverman, E. A.	601
Brenneisen, E.	559
Breuning, E.	611
Brinckmann, H. F.	605
Brockhaus, J. G.	584
Bronovets, I. N.	532
Brovman, M. Ya.	596
Bruk, S.	594
Bruns, B. P.	564
Brust, O.	586
Budov, G. M.	561
Budovskii, E. I.	563
Budrina, E. A.	565
Budylin, B. V.	B-17
Buinyachenko, G. P.	578
Bukhman, A. S.	561
Bulanzhe, Yu. D.	566
	568
	570
Bulygina, E. V.	592
Burmistrov, V. M.	536
Burnazyan, A. I.	605
Burov, I. V. (BR-SOV/6353)	A-9
Burukovskii, R. N.	552
Büssem, W.	584
Buyanov, V. V.	545
Buzdalin, Yu. I.	572
Bychenkova, V. N.	552
Bychkov, Yu. F.	596
Bykova, I. V.	585
Cankovic, J. G.	532
Chang, Hsi-chun	531
Chaplin, A. F.	611
Chefneux, E. -P. -J.	582
Chekhovskoi, Yu. V.	562
Chekin, V. Ya.	532
Chelnokova, G. N.	587
Chen', Khe-min	599
Chen, Ling-yan'g	607
Ch'en, T'ing-wei	537
Chentsov, R. A.	616
Cherkinskii, S. N.	579
Chernoplekov, N. A.	606
	609
Chernyaev, L. I.	562
Cherpakov, P. V.	616
Chiang, Chung-hung	613
Chicherin, A. G.	606
Chicherin, O. G.	607
Chikin, G. N.	590
Chistova, E. D.	B-18
Chistyakov, N. M.	543
Chlus, I. S.	B-18
Chochryakova, V. A.	560
Chufarov, G. I.	562
Chuksanova, N. A.	531
Chulturov, Sh.	526
Chumakov, B. N.	581
Chumburidze, I. T.	541
Chupeev, M. A.	583
Churaev, V. A.	611
Ciculic , M.	568
Ciric, A.	569
Ciric, B.	569
Colonge, R. A.	545
Corbic, M.	533
Couffignal, L.	590
Courrier, R.	545
Curin, H.	544
Cvetkovic, D.	543
Cvoric, M.	540
Cybernetics	578
Da-lin, T.	B-18
Dalmer, O.	559
Danchevskaya, M. N.	556
Danilin, A. S.	600
Danilova, A.	568
Danilova, L. A.	540
Danilova, L. D.	536
Danon, J.	535
Dashovskii, A. I.	596
Davidovic, M.	553
Davtyan, O. K.	557
Decic, L.	570
Demidenko, E. I.	581
Demidenko, V. I.	590
Denis, E.	582
Denisov, N. G.	566
Diehl, C.	559
Discher, E.	558
Dishkant, I. P.	540
Dikina, I. M.	614
Ding, Shia-shi	589
Dizdar, Z.	604
Djoric, R.	540
Djurisic, S.	540
Dlouhy, Z.	606
Dmitriev, A. P.	613
Dobmaier, K.	560
Dobronravov, V.	579
Dobrova, S. M.	540
Dobrovol'skii, V. P.	567
Dobrushin, R. L.	619
Doiko, G. F.	544
Doil'nitsyn, E. Ya.	606
	612
Dolgova-Korubun, V.	534
Dolinskaya, R. A.	616
Dol'nikov, N. A.	545
Dolomanov, E. G.	592
Domanevskii, L. N.	553
Domaradskii, I. V.	540
Dominik, T.	527
Dordevic, B.	548
Dorin, V. A.	614
Doroshkevich, A. M.	529
Drobyazin, V. N.	603
Drofa, V. K.	529
Drovenik, M.	569
Drozdov, O. A.	566
Dudunskaya, A. A.	562
Duitseva, M. A.	567
Dul'nev, G. N.	578
Dumbadze, Z. G.	541
Dunin-Horkawicz, H.	540
Dushin, L. A.	611
Dzhelepov, B.S.	612
Dzhibladze, E. A.	B-17
Dzhunusov, M. S.	620
Ebert	587
Efimov, V. I.	553
Egiyan, A.	525
Egorova, M. S.	549
Eigenson, M. S.	568
Elizarov, A. A.	572
El'piner, I. E.	548
Emelin, E. A.	556
Emel'yanov, V. A.	B-17
Emel'yanov, V. N.	597
Emel'yanov, V.S.	597
Enikeeva, M.Z.	601
Epifanov, G. I.	597
Eremeev, V. S.	596
Erenpreis, Ya. G.	B-17
Erlikhman, G. I.	548
Ermakov, O. N.	605
Ermilov, P. I.	586
Ernst, O.	556
Esepkina, N. A.	528
Estulin, I. V.	606
Etterich, O.	579
Eujen, E.	575
Evstyukhin, A. I.	597
Evseeva, N. K.	548
Evteev, S. A.	569
Fahrentholz, S.	611
Fajdiga, N.	549
Fang, Hsin-fang	537
Farberov, M. I.	559
Farengol'ts, I. V. 5	572
Farkhulina, A. I.	578
Faverge, J. M.	589
Fedorov, V. L.	564
Fedorova, L. I.	536
Fedoseev, D. V.	592
Fedosov, M. V.	572
Fedotenkov, A. G.	540
Fedotov, N. A.	562
Fedotova, M. I.	548
Feher, I.	585
Ferchau, H.	527
Ferluga, J.	542
Figuli, J.	585
Fikentscher	587
Fikentscher, H.	587
Filatov, V. I.	540
Filippov, G. V.	575
Filippov, L. I.	528
Fin'ko, E.A.	571
Firsova, E. V.	616
Fistul', V. I.	615
Fornazaric, M. R.	543
Fotyady, E. E.	569
Fränz, K.	612
Freidman, G. I.	618
Frinoskaya, I. V.	540
Frolov, A. D.	568
Frumkin, A. N.	562
Fudel'-Osipova, S. I.	532
	533
Fykin, L. E.	614
Gaertner, H. R. von	569
Galich, E. V.	591
Galkin, Yu. M.	579
Galkovskaya, K. F.	547
Gambaryan, L. S.	533
Ganenko, V. E.	585
Gaon, J.	545
Gapochko, G. K.	526
Garibyan, E. M.	527
Gavrilov, O. K.	536
Gebel', G. Ya.	545
Gefen, N. E.	526
Gefter, V. A.	545
Gelbke, M.	559
Gel'man, N. E.	557
Georgievskii, A. S.	536
Gersch, H. -U.	606
Geselevich, A. M.	536
Gigov, A.	531
Gikal, N. K.	603
Gil', G. V.	589
Gilev, A. P.	545
Ginstling, A. M.	558
Gintovt, P. V.	548
Ginzburg, F. G.	536
Girskaya, E. A.	549
Glazkova, A. P.	561
	562
Glazova, K. I.	557
Glöser, O.	578
Glumac, S.	553
Glushko, V. P.	579
Godunov, S. F.	551
Gol'dwasser, G. L.	614
Golikov, V. V.	607
Golovin, G. V.	551
Golovistikov, P.P.	616
Golubenkov, V. N.	604
Golubev, A. T.	602
Gomozov, L. I.	597
	598
Goncharenko, M. N.	590
Gorazdovskii, T. Ya.	601
Gorbach, M. L.	533
Goroshchenko, Yu. L.	531
Gorynya, A. A.	529
Gradov, A.	589
Granatkin, B. V.	606
Grebenshchikov, L. S.	603
Gribanov, Yu. I.	597
Gridin, A. D.	603
Griggs, R. C.	545
Grigor'ev, D. P.	B-17
Grinberg, L. S.	579
Grinyuk, I. N.	552
Grishchinskaya, L. L.	584
Gross, F.	533
Grubic, A.	569
Grün, R.	583
Gruschwitz, E.	592
Gruzdev, G. P.	548
Gryaznova, A. S.	563
Gseikler, A. A.	B-17
Gubernator, V. S.	527
Gubler, E. V.	540
Gudina, A. M.	531
Guetat, J.	582
Gul'ko, A. F.	605
Gulubov, Zh.	566
Gulyakin, I. V.	527
Gurevich, I. G.	562

Author	Page
Guzhovskii, I. T.	611
Gvozdkov, N. N.	616
Gyunner, E. A.	559
Hagedorn, P.	557
Hajdukovic, S.	548
Hamada, T.	605
Hansson, S.	592
Harms, F.	597
Hase, W.	614
Heckmanns, F.	560
Henker, H.	578
Herrmann, E.	597
Hlaca, D. M.	543
Hoeser,	527
Hoffman, E.	577
Höller, P.	601
Hopff	587
Hruby, M.	559
Iannello, J. A.	546
Ibragimov, A. M.	572
Idlis, G. M.	529
Ignat'ev, K. G.	607
Ilic, M.	569
Il'ichev, V. D.	553
Il'in, P.A.	574
Ilyasova, G. A.	608
Imatomi, S.	562
Ioan, C. S.	575
Iosilevskii, Ya. A.	607
Ippolitov, A. S.	616
Ishikawa	562
Istoshina, M. A.	573
Itkina, D.Ya.	562
Ivanitskaya, I. N.	540
Ivannikova, R. V.	531
Ivanov, B.	575
Ivanov, G. K.	608
Ivanov, I.	566
Ivanov, O.S.	597
	598
	599
	600
Ivanov, R. B.	612
Ivanov, V.	527
Ivanov, V. A.	596
Ivanov, V. K.	596
Ivanova, E. A.	548
Ivanova, S. N.	538
	581
Ivasik, V. M.	553
Ivlentiev, V. S.	575
Ivlev, V. S.	553
Izmailova, V. N.	615
Izotov, A. A.	570
Janik, J. A.	607
Jankovic, M.	531
	535
Jeanlin, C.-M.-J.	582
Jevtovic, A.	533
Jovanovic, D. S.	599
Kabanov, V. A.	559
Kachirina, L. G.	B-18
Kagan, A. S.	601
Kagan, Yu.	607
Kagan, Yu. M.	607
Kaganov, M. A.	616
Kahnwald, H.	579
Kalafati, D. D.	B-17
Kalinina, N. A.	545
Kalinkin, L. F.	606
Kalischer, G.	559
Kalistratova, V. S.	548
Kalovskaya, K. V.	563
Kalyuzhnyi, L. V.	549
Kamada, H.	602
Kan, Fu-hsi	613
Kan, S. N.	591
Kanareikin, B. A.	570
Kappelmeier, C.P.A.	556
Karataev, G. I.	569
Kardon, B.	607
Karetnikov, Yu. P.	563
Kargin, V. A.	559
Karmilov, A. G.	597
Karpov, R. G.	590
Kashintsev, M. L.	553
Kästner, R.	612
Kas'yanenko, V. G.	553
Katsev, B. A.	540
Katsnel'son, V. A.	549
Kaukhchishvili, E. I.	536
Kaverin, N. V.	537
Kazamskii, V. M.	562
Kazanskii, M.M.	572
Kern, W.	559
Ketov, A. N.	557
Khadzhiolov, A. I.	535
Kham'yanov, L. P.	606
	612
Kharif, M.	578
Kharitanov, V. M.	585
Khesin, L. Ya.	536
Khitrov, F. M.	551
Khlopin, N. Ya.	556
Kholodilov, N. N.	529
Kholopov, V. L.	616
Khovanskii, Yu. M.	574
Khrabova, O. P.	536
Khralenko, N. I.	619
Khromov, O. P.	534
Khromov-Borisov, N.V.	559
Kim, Chi-san	607
Kimura, S.	586
Kipshidze, N. N.	541
Kirochkin, Yu. A.	610
Kirov, S. M.	542
Kirpichnikov, I. V.	607
Kirpichnikov, L.	578
Kiryushina, I. N.	541
Kiselev, A. E.	536
Kiselev, A. V.	561
Kiselev-Fedorov, V.P.	616
Kish, D.	607
Kisin, I. E.	545
Kislyakov, A. G.	529
Kitaenko, L. G.	570
Klabunovskii, E. I.	560
Kleinstück, K.	612
	614
Klemina, I. K.	544
Klemyshev, P. S.	612
Klibus, A. V.	600
Klimenkov, A. I.	572
Klimov, D. M.	591
Klosovskii, B. N.	538
	545
Klyachina, K. N.	549
Klyuchareva, O. A.	553
Knapp, O.	584
Knoevenagel, K.	559
Knotek, O.	599
Kobozev, N. I.	556
	563
	586
Kochanska-Kiepalowa, Z.	537
Kocherezhin, V. G.	526
Kochetkov, N. K.	563
Kodyukov, V. M. (BR-SOV/6376)	A-9
Kohoutek, J.	541
Kolachev, B. A. (BR-SOV/6366)	A-9
Kolchanov, R. A.	579
Koldaev, B. G.	584
Kolesov, V. I.	536
Kolmogorov, A. N.	619
Kolotyi, V. V.	613
Koltypin, E. A.	609
Kondorskaya, N. V.	566
Kondrashov, N. G.	589
Kondrateva, V. A.	587
Konkin, A. A.	585
Konorov, P. P.	611
Konstantinova, M. A.	B-17
Kopylev, B. A.	568
	576
Kopylov, F. A.	551
Korchanov, L. S.	548
Kolchinskaya, L.M.	585
Korobkov, I. I.	599
Korol'kov, D. V.	528
Korovnichenko, E. G.	B-17
Kosareva, N. A.	555
Korshak, V. V.	587
Korshun, M. O.	557
Kortuem, G.	563
Kosir, A.	541
Kosmarskaya, E. N.	538
Kosmider, H.	602
Kosnikov, Yu. I.	584
Kostanyan, K. A.	584
Kostina, T. I.	614
Kostychev, G. I.	589
Kostyleva, L. A.	551
Kostyuk, L. V.	541
Kovalenko, P. P.	551
Kovalev, A. P.	616
Kovalev, I. T.	600
Koval'skaya, L. P.	549
Koval', Zh. A.	576
Kozello, N. A.	541
Kozhevnikov, S. P.	559
Kozlova, N. I.	599
Kozlovskii, B. V.	591
Kozlovskii, D. V.	591
Kozubowski, I.	608
Kraizmer, L. P.	590
Krakau, Yu. A.	586
Krakovskii, N. I.	544
Krasnicki, S.	612
Krasnov, I. B.	535
Kravchenko, N. A.	560
Krestnikov, V. N.	B-18
Krichevskaya, E. L.	565
Krikshtopaitis, M. I.	549
Krivolanov, S. S.	601
Krohnke, O.	545
Kroo, N.	608
Krotikov, V. D.	529
Krukovskii, C. P.	587
Krupchitskii, P. A.	604
	605
Krupnov, A. F.	610
Krylova, I. V.	556
	586
Kubantsev, B. S.	555
Kubelik, Ya.	503
Kudritskii, D. M.	B-18
Kühn, H.	584
Kukolev, G. V.	583
Kulagin, I. N.	540
Kulesza, J.	580
Kuliev, I. P.	572
Kul'kova, N. V.	563
Kulyai, Z. T.	587
Kumpf, H.	605
Kunel'skii, L.	577
Kupczok, A.	577
Kupradze, V. D.	589
Kupriyanov, P. A.	551
Kurepa, M. V.	612
Kurochkin, S.S.	590
Kurtepov, M. M.	563
Kushelova, T. F.	533
Küssaner, H. G.	592
Kutanin, M. P.	538
Kutikov, L. M.	540
Kut'in, A. M.	559
Kuz'min, N. A.	618
Kuz'mina, T. R.	533
Kuz'minskii, A. S.	583
Kuz'minykh, I. N.	563
Kuznetsov, K. F.	590
Kuznetsov, L. I.	603
Kuznetsov, S. I.	563
Kuznetsov, V. G.	558
Kuznetsov, V. V.	553
Kuznetsov, Yu. V.	578
Kuznetsova, L. V.	549
Kuznetsova, R. I.	593
	595
	596
	598
Kvitek, J.	606
Kyupar, I. I.	B-18
Labutin, A. L.	603
Laikhtman, D.L.	B-18
Lakin, K. M.	546
Lando, L. I.	546
Lange, K. A.	538
Langhammer, H. J.	602
Lapidus, M. Kh.	581
Laptev, I. D.	596
Lastochkin, V. P.	529
Lautier, C.	546
Lazarevic, V.	605
Lebedeva, G. N.	614
Leblond, C. P.	546
Lechky, E.	601
Leciejewicz, J.	614
Lednev, I. A.	597
Legotski, M.	560
Lehmann, R.	560
Leirikh, V. E.	562
Leites, S. M.	541
Leont'ev, G. A.	597
Leontovich, E. A.	589
Leosko, V. A.	536
Lerch,	583
Leveque, A.	528
Levin, A. O.	536
Levine, B. S.	579
Levitskaya, E. P.	563
Levntal-Karakusevic, M.	538
Leygue, E.	575
Lezhnev, N. N.	583
Lidin, G. D.	B-18
Lindberg, G. U.	566
Linden, K.	560
Lindner, K.	560
Lipovskii, D. E.	591
Lisitskaya, I. N.	612
Lisker, I. S.	616
Litvin, E. F.	561
Litvin, V. M.	573
Litvinov, A. P.	590
Litwinski, L.	538
Livshits, M. G.	553
Ljaljevic, M.	543
Lobinger, H.	583
Lodin, S. H.	560
Loewenstein, W.	561
Lokai, V. I.	582
Loranskii, D. N.	579
Losev, V. V.	561
Lunskaya, Z. N.	558
Luzhis, A. R.	546
Lyapunova, E. A.	544
Lyshevskii, A. S.	594
Lyubimov, A. P.	602
Lyzhnikovskaya, M.A.	582
Lyzlov, A. F. (BR-SOV/6376)	A-9
Machekhina, T. A.	608
Magnitskii, V. A.	570
Magura, I. S.	533
Maistrenko, A. N.	613
Makarchenko, O. F.	533
Makarov, A. Yu.	541
Makarov, E. S.	614
Makarov, P. O.	533
Makarov, T. V.	618
Makarova, A. P.	617
Makarova, N. A.	543
Makhimov, S.	577
Malakhov, A. M.	610
Malakhov, A. N.	610
Malakhova, R. P.	554
Malecka, I.	540
Malin, K. M.	561
	562
Mal'shina, L. P.	603
Malyavskaya, G. R.	616
Mamedov, A. M.	616
Mamysheva, T. K.	541
Mankevich, E. M.	554
Mankina, N. N.	603
Manojlovic, D.	569
Mansurova, I. D.	541
Manteifel', V. M.	549
Manusova, F. A.	557
Marakov, S. M.	554
Marchal, R.	575
Margolis, F. G.	558
Marjanovic, D.	594
Markov, A. A.	619
Markovic, R.	543
Markovich, M.	560
Markushevich, A. I.	620
Martem'yanov, V. P.	613
Marti, Yu. Yu.	554
	568
Martignac, de	620
Massal'skaya, K. P.	529
Mastbaum, I. S.	549
Mateescu, N.	608
	613
Mateev, D.	538
Matrosov, P. S.	570
Mats, D. I.	549
Matsui, S. P.	547
Matuka, S.	543
Matusevich, E. S.	549
Matveev, A. A.	546
Mayer, E.	
Mazurov, K.	
Medvedeva, N. N.	
Meisakhovich, L. A.	
Meisel', M. N.	
Meissner, J.	
Melik'yan, A. A.	
Melioranskii, A. S.	
Mel'nichenko, L. G.	
Mel'nikova, Z. Ya.	
Merbt, H.	
Merkova, M. A.	
Merkul'ev, Yu. A.	
Merkur'eva, P. V.	
Meshcheryakov, Yu. A.	
Meshkov, S. I.	
Metashov, L. A.	
Micic, I.	
Mierzejewska, H.	
Mihajlovic, L.	
Mihajlovic, M.	
Mihajlovic, M. V.	
Mikhailyuk, I. A.	
Mikhelev, I. P.	
Mikhkel'son, V. Ya.	
Mikhlina, V. V.	
Mikke, K.	
Mikula, K.	
Milosakovic, R.	
Milov, I. V.	
Milov, I. V.	
Mil'vidskii, M. G.	
Minachev, Kh. M.	
Mindlin, S. S.	
Minervin, V. E.	
Mironov, O. G.	
Mirzoeva, V. A.	
Mishev, K.	
Mishustin, E. N.	
Mitrovic-Petrovic, J.	
Mityureva, T. T.	
Mladenovic-Stojimirovic, Z.	
Mocic, M.	
Moiseev, I. I.	
Mojsilovic, S.	
Mokhir, E. D.	
Molotkov, V. G.	
Morozov, I. S.	
Morozov, V.	
Moskalev, Yu. I.	
Moskalevich, S. S.	
Moskovskaya, I. F.	
Mostert, J.	
Mostovshchikov, A.	
Motulevich, V. P.	
Movchan, O. A.	
Mozhaev, S. S.	
Mukhina, V. V.	
Muler, L. I.	
Münch, E.	
Munz, F.	
Murasic, A.	
Musaelyan, Sh. A.	
Myasishchev, V. N.	
Myasnikov, I. A.	
Myasnikov, L. A.	
Myshkis, A. D.	
Myshkovskii, I. D.	
Myuller, M. A.	
Nakayama, K.	
Nametkin, S. S.	
Nasledov, D. N.	
Nasledova, I. D.	
Nasonov, V. S.	
Naumenko, P.	
Nazarov, I. N.	
Nazarov, V.	
Nedelcheva, V.	
Nekrasov, A. M.	
Nekrasov, A. I. (BR-SOV/6297)	A-9
Nemchenok, M. E.	
Nemchinskaya, V. L.	
Nemirovskii, P. E.	
Nemlikher, L. Ya.	
Nepovitova, A. F.	
Nesis, K. I.	

Author	Page
Nesis, K. N.	573
Neskovic, M.	533
Nesterov, V. E.	B-17
Neuhaus, N.	602
Neusel, K	556
Nicodemus, O.	556
	560
Niewiadomski, T.	613
Nikishanov, V. V.	597
	599
Nikolaev, A.	578
Nikolaev, B. A.	580
Nikolaev, L. A.	564
Nikolaev, N. S.	564
Nikolaeva, N. S.	585
Nikolic, K.	538
Nikolskaya, B. S.	546
Nikolskii, G. V.	554
Nikulin, A.	542
Ninkov, V.	548
Nosova, G. I.	596
Novak, D.	541
Novakovic, M.	578
Novakovic, R.	570
Novichenok, L. N.	617
Novikova, V. N.	554
Novoselov, V. S.	574
Nozik, Yu. Z.	615
Obensauer,	583
Oboronko, A. E.	590
Ochavkovskii, Yu. E.	573
Odesskii, I. N.	536
Odintsov, A. A.	574
Oeman, E.	560
Oetegenden, R. G.	613
Ogoshi,	581
Ogurtsova, N. N.	619
Ogzheval'skii, Z. I.	608
Oleinik, O. A.	589
Oliv, A. G.	591
Omel'yanenko, L. M.	550
Omel'yanovskii, E. M.	615
Orlov, R. S.	538
Orlov, V. N.	542
Orlov, V. Ya.	546
Orlov, Yu. A.	553
Orthmann, J. -J.	565
Oshcherin, B. N.	617
Ostrowski, Z.	
(BR-POL/6304)	A-9
Ovagin, E. F.	575
Ovchinnikov, B. A.	599
Ovchinnikova, E.N.	557
Ovsyannikov, B. V.	582
Ozerov, R. P.	683
	614
Pachlewski, R.	528
Padalka, B. Ya.	539
Pafomov, G. A.	540
Pahlitzsch, G.	600
Pakhorukov, V. I.	572
Pal, L.	608
Palinkasevic, S.	570
Palladina, L. I.	531
Palluel, P.	612
Panasenko, M.S.	541
Pantic, N.	570
Papazyan, M. I.	527
Papko, S. I.	564
Paradoksov, M. V.	536
Parenov, V. A.	606
Pariyskaya, G.N.	
(BR-SOV/6350)	A-9
Parnea, V. A.	544
Pashkyavichos, V.R.	549
Pasic, M.	571
Pastukhova, M. G.	562
Patrushev, V. I.	529
Pavlovic, J.	540
Pavlovic-Hournac, M.	533
Pavlyuchenko, M. M.	571
Pawlek, F.	558
Pechenik, L. N.	555
Pechkovskii, V. V.	557
	558
Pecriaux, G.	619
Pedl', D. A.	567
Peachev, P.	566
Perepechai, L. D.	551
Perepletchikova, E.M.	557
Perayantseva, N. V.	590
Petrachkov, M. M.	536
Petrov, A. K.	602
Petrov, I. A.	528
Petrov, R. V.	605
Petrov, V. K.	602
Petrov, V. N.	564
Petrova, R. M.	533
Petrovic, L.	548
Petrovic, N.	548
	566
Petrukhova, V. A.	585
Pevzner, M. I.	605
Pevzner, M. S.	551
Pier, M.	585
Pikel'ner, L. B.	607
Piksanov, O. N.	550
Pilheu, J. A.	546
Pinus, E. R.	583
Pirlogea, P.	613
Pirogov, A. A.	619
Pistsov, N. G.	546
Plankin, E. S.	529
Pljakic, M. A.	554
Plotnikow, M.	613
Podmoshenskii, I.V.	619
Pokrovskaya, T. V.	566
Polezhaev, L.	542
Polikarpova, E. G.	543
Polilov, M. I.	538
Polozhii, G. M.	592
Polushkin, V. A.	573
Ponomarenko, L. S.	573
Ponomareva, P. I.	542
Popkov, K. K.	616
Popov, I. V.	B-18
Popov, V. A.	587
Popov, Yu. P.	609
Popova, O. A.	554
Porfir'ev, V. A.	529
Portnov, A. I.	544
Portugalov, V. V.	535
Postolakii, A. I.	554
Potapova, E. M.	600
Povetkina, Z. G.	534
Poyarkov, S. G.	529
Pozin, M. E.	558
	568
	576
Pravetskii, V. N.	605
Predtechneskii, A. N.	542
Predvoditelev, A. S.	610
Presman, A. S.	550
Prikhod'ko, L. L.	580
Prior Ferraz, F. G.	557
Prives, M. G.	534
Privezentsev, V. I.	611
Prokhorov, V. S.	554
Prokof'ev, Yu. A.	613
Protas, I. R.	586
Protopopov, S.P.	544
Pshitula, M. I.	607
Purtova, I. V.	554
Pushkov, I.	577
Puzanov, V. V.	606
Puzyrev, N. N.	571
Quartaroli, A.	558
Rabinovich, I. B.	564
Rachinskii, V.V.	B-18
Radic, S.	605
Radioicic, R.	571
Radoman, P.	554
Radulescu, K.	613
Rafalovich, N. A.	556
Rafal'skii, Ya. D.	542
Rafikov, S. R.	587
Rakovic, V.	543
Rambaud, L.	620
Rannev, N. V.	614
Radkovic, D.	548
Rass, T. G.	601
Rass, T. S.	573
Rauk, J.	575
Razumovskii, N. O.	547
Razuvaev, I.	602
Rehbinder, P. A.	603
	604
	615
Repin, Yu. M.	542
Reppe	588
Reppe, W.	588
Revazyan, G.	578
Revyakin, B. N.	599
Reznikov, I. P.	591
Reznyakov, A.	526
Ristic, M. M.	605
Rizov, Z. M.	617
Rodin, I. M.	546
Rodionov, A. I.	576
Roginskii, S. Z.	564
	615
	B-18
Roginskiy, S. Z.	
(BR-SOV/6406)	A-9
Rohm, H.	525
Roitman, V. I.	602
Rokhlin, L. L.	537
Rokotian, S.S.	B-18
Romanov, N. S.	B-18
Romanova, A. M.	551
Romanova, E. A.	B-18
Rovinskii, M. S.	551
Rozanov, A. N.	596
Rozenblyum, L. Ya.	591
Rozhdestvenskii, L. M.	548
Rubanov, S. M.	616
Rubashev, B. M.	567
Rubtsov, N. A.	617
Rudaya, S. M.	537
Rusin, N. P.	B-18
Rusova, L. A.	585
Russe, A.	560
Ruzhanskii, V. I.	591
Rvachev, V. D.	573
Ryabov, A. M.	583
Ryashentseva, M.A.	585
Ryazanov, V. A.	579
Rybakova, L. I.	596
Rybicka, I.	537
Rypyanu, S.	606
Ryss, E. S.	546
Ryvkin, V. B.	589
Ryzhanov, S. G.	586
Saakyan, K. S.	584
Sachenkov, A. V.	592
Sada	581
Sadowska, M.	540
Sadykov, B. S.	617
Saidrasulov, S. S.	542
Sakharov, B. V.	550
Salichko, V. N.	590
Salomonovich, A. E.	529
Samosvat, G. S.	607
Samsonov, B. S.	558
Sapozhkov, M. A.	619
Sapozhnikova, S. A.	567
Sarti, T.	582
Sato, K.	602
Satpaev, K.	526
Sautin, E. N.	551
Savilov, A. I.	573
Savitskiy, Y. M.	
(BR-SOB/6353)	A-9
Savosin, S.	575
Sayasov, Yu. S.	608
Sazonova, M. V.	584
Schegel	583
Schenck, H.	602
Schmidt, K.	578
Schoen, J.	593
Scholz,	587
Scholz, E.	557
Schrader, G.	560
Schusterius, C.	584
Schweizer, G.	583
Sciesinski, I.	613
Sedykh, V. M.	618
Segal, G.	546
Segalova, E. E.	615
Sekowska, B.	556
Selenyi, P.	586
Seleznev, S. A.	536
Semenikhin, A. N.	597
Semenov, A. S.	571
Semenov, Yu. V.	591
Semenova, T. N.	573
	591
Semenschenkov, A. T.	598
	599
	600
Semyashkin, E. M.	578
Serebrennikova, O. V.	563
Serebryakov, V. P.	574
Sergeev, N. N.	546
Sergienko, S.	576
Sergievskaya, E. M.	558
Serkova, V. K.	546
Sestakov, G.	534
Setunskaya, L. E.	571
Sevaljevic, L.	534
	542
Severov, P. A.	574
Sevryukov, N. N.	558
Shaikhutdinov, Z. G.	593
Shakhnazarov, G. M.	534
Shal'nov, M. I.	605
Shamburov, D. A.	537
Shandrenko, G. I.	603
Shantyr', V. I.	549
	550
Shapiro, F. L.	607
	608
Shaposhnikov, L. V.	554
Sharapov, E. I.	607
Shashkov, A. G.	578
Shchegolev, G. G.	585
Shchepot'ev, N. V.	555
Shcherba, M. L.	539
Shcherbova, E. N.	548
Sheiman, V. A.	564
Sheinfinkel', V. M.	536
Sheka, I. L.	B-18
Shenk, N. A.	551
Shermergor, T. D.	617
Shershevskii, M. G.	546
Sheyanov, G. G.	542
Shibaeva, S. M.	534
Shishakov, N. A.	615
Shishlakov, P. G.	581
Shiyanevskii, A. Ya.	543
Shkadina, S. S.	580
Shkatula, A.	607
Shkol'nik, M. Ya.	535
Shkorbatov, G. L.	555
Shkuratov, O. G.	603
Shneerov, B. E.	567
Shnol', S. E.	B-18
(BR-SOV/6406	A-9
Shoshiev, L. N.	546
Shteiman, S. V.	592
Shteinberg, V. B.	536
Shuleikin, V. V.	610
Shulltsev, G. P.	543
Shul'zinger, S.	526
Shupyatskii, A. B.	567
Shurmovskaya, N. A.	564
Shuvalov, L. A.	614
Shvalev, V. N.	538
Shvarev, I. F.	547
Shvarts, G. L.	604
Shvekhgeimer, G. A.	562
Shvelidze, I. K.	539
Shvets, M. E.	567
Sidorenko, E. V.	539
Sidorenko, I. N.	555
Sidorovich, S. Kh.	543
Silaev, A. B.	547
Silaeva, S. V.	549
Silin, V. P.	610
Sil'vestrovich, S. I.	
(BR-SOV/6366)	A-9
Simic, A.	543
Simic, B.	543
Simic, M.	544
Sinenko, L. F.	550
Sinitskii, L. A.	512
Sinitsyn, V. M.	570
Sippel, D.	612
Sirazetdinov, T. K.	593
Sirazitdinov, B. G.	579
Sitenko, A. G.	610
Sitnikova, A. Ya.	584
Sivintsev, Yu. V.	
(BR-SOV/6376)	A-9
Skobelkin, O. K.	551
Skorov, D. M.	599
Skvortsov, V. A.	610
Slepkov, V. S.	574
Slezkin, L. N.	591
Slovokhotova, N. P.	620
Smelov, V. V.	608
Smetnev, A. S.	543
Smirnov, R. N.	587
Smirnov, R. V.	550
Smirnov, V. S.	560
Smirnova, O. V.	550
Smolik, Ch. K.	606
Smorodinskii, Ya. A.	604
Sobiev, B. M.	603
Sobolev, 3. N.	603
Sobolev, S. L.	590
Soborovskii, L. Z.	561
Sochivko, V. P.	591
Sofroni, L.	602
Sofronova, R. M.	600
Sokiryanskii, L. F.	616
Sokolovskii, V. A.	591
Soldatenkov, V.	581
Solov'ev, B. S.	574
Solov'eva, E. A.	535
Solov'eva, L. I.	618
Solov'eva, N. K.	537
Soltyk, V. Ya.	600
Solun, M. N.	543
Sorokina, R. A.	587
Sosnowski, I.	608
Sosnowski, J.	614
Soulairac, A.	B-18
Sozin, Yu. A.	617
Spasov, H.	571
Sporzynska, Z.	537
Spuzic, I.	543
Stankevich, K. S.	529
Stankovic, I.	543
Starobogatov, Ya. I.	535
Starodubrovskaya, S.P.	
(BR-SOV/6350)	A-9
Starzhinskii, V. M.	590
Starzycki, S.	535
Stepanov, K. N.	610
Stepanov, N. S.	610
Stepanov, V. M.	547
Stepanov, Yu. S.	605
Stepanyan, E. P.	543
Stern, P.	542
Stiepel, K.	609
Stil'bans, L. S.	611
Stolyarov, B. V.	565
Strelyukhin, A. K.	537
Struev, A.	577
Strukov, M. V.	551
Strumilin, S.	602
Stupochenko, E. V.	613
Suchkin, G. L.	612
Sudzilovskii, F. V.	534
Sukharev, V. M.	543
Sukhotin, A. M.	601
Sukhoruchkin, S. I.	604
	607
Surin, E. V.	596
Surkova, E. I.	555
Surkova, E. I.	555
Sychev, V. V.	611
Szczepanik, M.	583
Szkatula, A.	613
Szulkin, E.	537
Tagmizyan, M. N.	543
Tai, Li-hsin	547
Tai, Shou-hui	596
Tal', A. A.	593
Talanov, V. I.	618
Taranov, M. T.	526
Tarasova, V. N.	563
Targ, S. M.	594
Tarkhov, A. G.	571
Tarat, E. A.	568
Tataraskii, V. I.	566
Tatevosyan, G. O.	586
Tatishvili, I. Ya.	539
Taytsch, Z. F.	537
Teikin, E. N.	568
Telesnin, V. R.	618
Temkin, M. I.	563
Teodori, M. I.	543
Teodorovich, I. L.	557
Teofilovski, C.	604
Terekhov, G. I.	598
Terekhova, V. F.	
(BR-SOV/6353)	A-9
Tereshkin, I. A.	562
Tersin, A. L.	543
Teutsch, H.	608
Thieme, J.	602
Tikidzhiev, R.	600
Timchuk, B. I.	617

Author	Page
Timis, P.	608
	613
Timofeeva, E.A.	560
Todes, O.M.	617
Todirianu, S.	606
Todiryanu, S.	606
Todorovic	594
Todorovic, B.	534
Todorovic, R.	543
Toich, H.	613
Tolmachev, Yu. M.	564
Tolstopyatova, A. A.	558
Tomashpol'skii, Yu. Ya.	596
Topchieva, K. V.	565
Topchieva, N. V.	584
Traito, B. G.	591
Trapeznikov, A. A.	585
Travin, V. I.	555
Trinus, F. P.	547
Trofimov, V. P.	617
Trofimova, A. A.	596
Troitskii, V. S.	529
Trostin, S. S.	605
Trostyanskaya, Ye. B. (BR-SOV/6366)	A-9
Ts'ai, Ying-shih	613
Tsarfin, Ya. A.	556
Tsarine, V.	606
Tsfasman, A. Z.	550
Tsinkov, M.	526
Tsujikata	562
Tsvankin, D. Ya.	587
Tsypin, S. G.	549
Tsytovich, V. N.	611
Tumanov, V. I.	603
Tumashov, L. L.	581
Tunakov, A. P.	582
Turchin, V. F.	608
Tur'ev, I. A.	591
Turovskii, B. M.	602
Tvildyani, D. D.	541
Tyukhtin, V. S.	619
Uberreiter, K.	565
Ul'yanov, N. I.	550
Ungewiss, A.	584
Uraleva, V. S.	547
Urazovskii, S. S.	585
Urbanski, T. (BR-POL/6347(6348, 6349)	A-9
Urbantschitsch, V.	534
Urosevic-Dacic, D.	570
Ustiev, E. K.	572
Utahashi, C.	600
Utekhin Yu. A.	613
Uvarova, V. Ya.	555
Vainshtein, B. K.	615
Vakhtel', V. S.	550
Vakhurkina, A. M.	539
Val't, L.O.	620
Varagic, V.	547
Varankin, Yu. V.	584
Varga, I.	540
Vargaftik, M. N.	560
Vargaftik, N. B.	617
Varlamov, M. L.	565
Varshavskii, V. I.	591
Vasil'chenko, I. I.	579
Vasil'ev, A. I.	534
Vasil'ev, E. N.	611
Vasil'ev, L. L.	617
Vasil'eva, A. G.	602
Vasiljevic, M.	545
Vcherashnyuk, P. P.	579
Vel'vovskii, I. Z.	B-18
Venstrem, E. K.	603
	604
Vertebnyi, V. P.	613
Veselinovic, D.	571
Veselinovic, M.	571
Veselovskii, V. I.	565
Vikhriev, B. S.	540
Villako, K. P.	544
Vinberg, G. G.	555
Vinograd-Finkel', F.R.	536
Vinogradov, A. G.	536
Vinogradov, B. S.	593
Vinogradov, K. A.	531
Vinokur, B. B.	601
Viotskaya, S. O.	531
Virgil'ev, Yu. S.	598
	599
	600
Vishnevskii, A. A.	544
	552
Vishnevskii, N. E.	565
Visnjic-Frajnd, M.	544
Vit'ko, P. I.	602
Vladisavljevic, Z.	594
Vlasov, M. F.	613
Vlasova, R. M.	611
Vodop'yanov, A. A.	581
Vogel, J.	563
Voitekhova, E. A.	600
Voitenko, G. M.	534
Vol'fkovich, S. I.	558
Volikova, I. G.	604
Volkov, O. M.	580
Voloshin, V. A.	585
Vooren, A. I. van de	593
Vorob'ev, A.A.	B-17
Voronov, N. M.	600
Vorotnitskaya, N. E.	544
Vosol'sobe, Ya. Ya.	558
Voznyi, A. V.	602
Voznyuk, I. Ya.	550
Vries, G. de	593
Vuco, J.	534
Vukovic, M.	594
Vysotskaya, A. I.	585
Walja, K.	608
Wanic, A.	608
Weber, E.	580
Weiss, H.	615
Welker, H.	615
Willens, J.	560
Wojciak, W.	537
Wolska, E.	537
Wu, Heng	531
Wulff	588
Yablokov-Khnzoryan, S. M.	535
Yablonovskaya, L. Ya.	544
Yaglinskii, V. A.	543
Yakovlev, V. N.	571
Yakusheva, T. S.	541
Yamaguchi, G.	583
Yamzin, I. I.	615
Yanik, Yu.	607
Yan'kov, G. B.	609
Yanulov, K. P.	555
Yaroshevskii, A. Ya.	544
Yaroslavtseva, N. A.	548
Yasinovskii, M. A.	544
Yasinskii, F. G.	593
Yatsuk, L. P.	618
Yepinat'yeva, A. M. (BR-SOV/6350)	A-9
Yadanov, I. G.	555
Yudanov, I. G.	555
Yudina, N.	577
Yudintseva, E. V.	527
Yung, L. A.	528
Yushkevich, G. N.	585
Zabegalov, G. V.	581
Zabiyakin G. I.	605
Zabransky, Z.	603
Zadoyan, M. A.	584
Zaets, T. L.	535
Zaitsev, A. N.	581
Zaitsev, V. F.	541
Zaitsev, Yu. P.	532
Zaitseva, L. S.	617
Zakharov, G? P.	556
Zakharova, N. G.	565
Zakrzewska, A.	537
Zakutskii, V. P.	574
Zalmanzon, I. A.	593
Zan'ko, A. M.	
Zarubin, V. S.	
Zaryankin, A. E.	
Zaskal'ko, N. I.	
Zboril, J.	
Zelenin, A. V.	
Zemlyanov, M. G.	
Zemskov, G. V.	
Zezin, A. B.	
Zhdanov, V. M.	
Zheleznyakov, V.V.	
Zheludkov, V. N.	
Zhestyanikov, V. M.	
Zhidileva, K. P.	
Zhirmunskii, A. V.	
Zhivov, L. I.	
Zhmuds'kii, O. Z.	
Zhuchkova, N. K.	
Zhukov, V. G.	
Zhukova, T. P.	
Zhuravleva, V. P.	
Zhuze, T. P.	
Zil'berman, E. N.	
Zil'berman, Ya. I.	
Zinger, E. E.	
Zin'kov, Z. E.	
Zinov'ev, Yu. M.	
Zippel. D.	
Zivanovic, B.	
Zivkovic, B.	
Zivkovic, R.	
Zivkovic, S.	
Zlotnik, E. Ya.	
Znamenskii, O. V.	
Zotin, A. I.	
Zubov, V. P.	
Zuev, M. T.	
Zverev, N. I.	
Zvorykin, A. A.	
Zysina-Molozhen, L. M.	

JOURNAL INDEX

Journal	Page
Academia Republicii Populare Romine. Centrul de Cercetari Metalurgice. Studii si Cercetari de Metalurgie, 1962, v. 7, no. 1, p. 73-87	602
Academie des Sciences, Paris. Comptes Rendus (France) 1947, v.224, p. 1492-1494	612
1947, v. 224, p. 1551-1553	612
Acta Medica Iugoslavica, 1962, v. 16, no. 2, p. 121-137	538, 543
1962, v. 16, no. 2, p. 141-149	538, 549
1962, v. 16, no. 2, p. 151-163	538
1962, v. 16, no. 2, p. 151-163	538
1962, v. 16, no. 2, p. 166-171	538, 540
1962, v. 16, no. 2, p. 172-179	538, 541
1962, v. 16, no. 2, p. 182-186	538, 542
1962, v. 16, no. 2, p. 189-199	538, 547
1962, v. 16, no. 2, p. 201-210	533, 538
1962, v. 16, no. 2, p. 213-220	533, 538
1962, v. 16, no. 2, p. 222-232	534, 538
1962, v. 16, no. 2, p. 234-241	538, 544
1962, v. 16, no. 2, p. 243-245	538, 543
1962, v. 16, no. 3/4, p. 247-261	539, 540
1962, v. 16, no. 3/4, p. 265-273	532, 539
1962, v. 16, no. 3/4, p. 276-288	539, 544
1962, v. 16, no. 3/4, p. 290-299	539, 542
1962, v. 16, no. 3/4, p. 301-315	539, 543
1962, v. 16, no. 3/4, p. 318-325	532, 539
1962, v. 16, no. 3/4, p. 327-334	532, 539
1962, v. 16, no. 3/4, p. 336-344	534, 539
1962, v. 16, no. 3/4, p. 346-351	539, 545
1962, v. 16, no. 3/4, p. 354-359	539, 543
Aeromagnitnaya S"emka v Geologii, Moscow, 1963, 123p.	570, C-192
Agrarwurtscgaft (West Germany) 1954, v. 3, no. 2, p. 49-52	525
Agrobiologiya (USSR) 1963, no. 3(141) p. 371-375	526, 527
Akademie der Wissenschaften, Berlin. Monatsberichte (East Germany) 1963, v. 5, no. 11/12, p. 663-675, 689-692, 712-713, 715-717, 722-729	588
Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 1, p. 47-52	545
1963, v. 18, no. 2, p. 60-70	532
1963, v. 18, no. 2, p. 77-84	541
Akademiya Nauk Armyanskoi SSR, Erevan. Doklady, 1957, v. 24, no. 5, p. 193-199	584 584
Akademiya Nauk Belorusskoi SSR. Institut Khimii. Sbornik Nauchnykh Rabot, 1958, no. 6, p. 102-114	571
Akademiya Nauk Gruzinskoi SSSR, Tiflis. Soobshcheniya, 1957, v. 19, no. 1, p. 33-36	B-17
Akademiya Nauk SSSR. Doklady, 1957, v. 83, no. 1, p. 111-114	583
1952. v.87, no. 2, p. 249-252	531
1955, v. 104, no. 6, p. 857-869	557
1955, v. 105, no. 1, p. 108-111	564
1956, v. 110, no. 3, p. 397-400	561
1956, v. 111, no. 6, p. 1255-1256	557
1957, v. 112, no. 4, p. 599-602	589
1957, v. 114, no. 3, p. 594-597	615
1957, v. 114, no. 4, p. 815-818	558
1958, v. 122, no. 1, p. 90-93	561 561
1960, v. 135, no. 4, p. 899-901	563
1961, v. 138, no. 6, p. 1365-1368	558
1961, v. 139, no. 3, p. 605-607	559
1962, v. 146, no. 6, p. 1347-1349	587
1963, v. 150, no. 3, p. 665-667	534, 547
1963, v. 150, no. 3, p. 668-670	534, 548
1963, v. 150, no. 3, p. 671-674	534, 548
1963, v. 150, no. 3, p. 675-676	534, 550
1963, v. 150, no. 3, p. 677-679	534, 535
1963, v. 152, no. 3, p. 598-601	567
1963, v. 152, no. 3, p. 724-726	544
1963, v. 153, no. 6, p. 1299-1302	610
Akademiya Nauk SSSR. Fizicheskii Institut. Rept. A-15, 1963.	611
Akademiya Nauk SSSR. Ikhtiologicheskaya Komissiya. Trudy Soveshchantii, 1961, v. 13, p. 21-33	554
Akademiya Nauk SSSR. Institut Fiziki Zemli. Trudy, 1963, no. 28(195) p. 3-146	B-17
Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1963, v. 28, no. 1, p. 99-105	542
1963, v. 28, no. 3, p. 430-441	538
1963, v. 28, no. 3, p. 454-459	534
1963, v. 28, no. 6, p. 785-797	526
1963, v. 28, no. 6, p. 808-829	526
1963, v. 28, no. 6, p. 871-878	549
1963, v. 28, no. 6, p. 924-928	526
Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, 1957, v. 21, no. 2, p. 163-175	615
1959, v. 23, no. 6, p. 777-779	585
1959, v. 23, no. 7, p. 782-787	612
Akademiya Nauk SSSR. Izvestiya. Seriya Geologicheskaya, 1964, v. 29, no. 1, p. 110-111	570
Akademiya Nauk SSSR. Karel'skii Filial Petrozavodsk. Trudy, 1959, v. 17, p. 5-37	528
Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya 1944, no. 5, p. 320-324	564
1949, no. 1, p. 343-353	558
1959, no. 7, p. 1196-1206	561
1959, no. 12, p. 2171-2176	560
1961, no. 1, p. 182-184	562
1961, no. 7, p. 1307-1310	585
1961, no. 7, p. 1320-1325	560
1961, no. 10, p. 1892-1894	561
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1950, no. 8, p. 1112-1124	529
1957, no. 11, p. 63-68	585
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Mekhanika i Mashinostroenie, 1963, no. 3, p. 45-50	591
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo, 1959, no. 4, p. 32-41	601
1961, no. 3, p. 73-76	596
1961, no. 3, p. 183-190	585
1961, no. 6, p. 45-51	596
1961, no. 6, p. 144-148	603
Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Tekhnicheskaya Kibernetika, 1964, nos. 1-6	B 17
Akademiya Nauk SSSR. Vestnik, 1963, v. 33, no. 6, p. 31-38	615
1963, v. 33, no. 9, p. 38-44	618
1963, v. 33, no. 9, p. 45-48	618, 619
1963, v. 33, no. 9, p. 69-70	618, 535
1963, v. 33, no. 9, p. 73-74, 77-78	618
1963, v. 33, no. 9, p. 80	531, 618
1963, v. 33, no. 9, p. 82-84	614 618
1963, v. 33, no. 9, p. 84-87	572, 618
1963, v. 33, no. 9, p. 90-92	572, 618
1963, v. 33, no. 9, p. 92-94	538, 618
1963, v. 33, no. 10, p. 58-62	593
Akademiya Nauk SSSR. Vsesoyuznoe Obshchestvo Fiziologov, Biokhimikov i Farmakologov. Trudy, 1954, no. 2, p. 194-197	546
Akademiya Nauk URSR, Kiev. Dopovidi, 1961, no. 3, p. 363-366	584
1963, no. 9, p. 1190-1193	601
Akademiya Nauk URSR, Kiev, Instytut Geologichnykh Nauk. Trudy: Seriya Geofizicheskaya, 1958, v. 2, p. 120-129	B-17
Akademiya Pedagogicheskikh Nauk RSFSR. Izvestiya, 1957, no. 85, p. 206-208	552
Analele Romino-Sovietice. Seria: Matematica-Fizica (Rumania) 1959, v. 13, no. 1(28) p. 5-33	619
Annali di Chimica (Italy) 1946, v. 36, p. 273	558
Antibiotiki (USSR) p959, v. 4, no. 6, p. 5-10	537
1963, v. 8, no. 1, p. 49-53	547
Aptechnoe Delo (USSR) 1963, v. 12, no. 5, p. 94	544
Archiv für das Eisenhüttenwesen (West Germany) 1962, v. 33, no. 10, p. 699-704	601
Archiv für Ohren-, Nasen- und Kehlkopfheilkunde (Germany) 1897, v. 31, p. 234-294	534
Archiwum Hutnictwa (Poland) 1960, v. 5, no. 4, p. 363-387	580
Arhiv Biloskih Nauk (Yugoslavia) 1962, v. 14, no. 1/2, p. 1-5	530, 535
1962, v. 14, no. 1/2, p. 7-28	530, 531
1962, v. 14, no. 1/2, p. 33-36	530, 531
1962, v. 14, no. 1/2, p. 41-43	530, 535
1962, v. 14, no. 1/2, p. 47-49	530, 552
1962, v. 14, no. 1/2, p. 51-57	530, 554
1962, v. 14, no. 1/2, p. 61-66	530, 553
1962, v. 14, no. 1/2, p. 69-92	530, 554
1962, v. 14, no. 1/2, p. 95-99	530, 534
1962, v. 14, no. 1/2, 101-107	530, 553
1962, v. 14, no. 1/2, p. 109-115	530, 548
1962, v. 14, no. 1/2, p. 117-126	530, 533
Arkhiv Anatomii, Gistologii i Embriologii (USSR) 1962, v. 42, no. 3, p. 55-60	533
1962, v. 42, no. 6, p. 97-102	551
1963, v. 44, no. 2, p. 66-72	534
1963, v. 44, no. 4, p. 100-105	533
1963, v. 45, no. 10, p. 123-124	535
1963, v. 45, no. 11, p. 3-13	534
1963, v. 45, no. 11, p. 126-128	553
Arkhiv Patologii (USSR) 1949, v. 11, no. 4, p. 44-48	541
1963, v. 25, no. 3, p. 38-44	545
1963, v. 25, no. 3, p. 65-70	534
1963, v. 25, no. 5, p. 72-78	542
1963, v. 25, no. 6, p. 33-38	543
1963, v. 25, no. 6, p. 84-85	539
1963, v. 25, no. 10, p. 82-83	539
1963, v. 25, no. 10, p. 83-84	539
Asociacion Medica Argentina Buenos Aires. Revista, 1959, v. 73, no. 4, p. 125-130	546
Atomnaya Energiya (USSR) 1963, v. 15, no. 6, p. 499-504	549
Aviatsiya Kosmonavtika (USSR) 1963, v. 46, no. 8, p. 27-29	620
Avtomaticheskaya Svarka (USSR) 1963, v. 16, no. 11, p. 66-71	595
Avtomobil'naya Promyshlennost' (USSR) 1961, v. 27, no. 3, p. 4-10	579
Avtomobil'nye Dorogi (USSR) 1962, v. 25, no. 12, p. 22-23	583
Badische Anilin- und Soda- Fabrik, A.G., Ludwigshafen (Germany) 23 Mar 34, KUKO-16	588
29 June 31, KUKO-21	588
4 Nov 31, KUKO-26	587
19 Apr 32, KUKO-31	588
16 Feb 33, KUKO-44	587
Jul 33, KUKO-46B	587
Jul 33, KUKO-50	588
14 Feb 34, KUKO-52A	587
16 Nov 34, KUKO-54	588
26 Nov 35, KUKO-64	588
25 Nov 35, KUKO-66	588
26 Nov 36, KUKO-92	587
5 Apr 37, KUKO-103	588
1 Apr 37, KUKO-106	587
Borba po Skopleniyami Metana v Ugol'nykh Shakhtakh, Moscow, 1961, 140p.	B-18
Botanicheskii Zhurnal (USSR) 1961, v. 46, no. 2, p. 161-173	535
Bulletin Biologique de la France et de la Belgique, 1947, v. 81, p. 3-4, 274-284, 297-304, 412-422	B-18
Bumazhnaya Promyshlennost' (USSR) 1960, v. 35, no. 4, p. 15-16	599

Journal	Page
Bunseki Kagaku (Japan)	
1957, v. 6, no. 3, p. 150-154	602
Byulleten' Eksperimental'noi Biologii i Meditsiny (USSR)	
1963, v. 55, no. 1, p. 56-60	532
1963, v. 55, no. 1, p. 93-95	531
1963, v. 55, no. 1, p. 122-123	536
1963, v. 55, no. 2, p. 60-63	547
1963, v. 55, no. 2, p. 68-73	545
1963, v. 55, no. 2, p. 121-213	545
1963, v. 55, no. 4, p. 9-14	541
1963, v. 55, no. 4, p. 47-49	541
1963, v. 55, no. 4, p. 82-91	544
1963, v. 55, no. 4, p. 100-104	840
1963, v. 55, no. 4, p. 108-110	535
1963, v. 55, no. 4, p. 110-114	539
1963, v. 55, no. 5, p. 29-33	538
1963, v. 55, no. 5, p. 37-40	542
1963, v. 55, no. 5, p. 104-108	532
Byulleten' Tekhniko-Ekonomicheskoi Informatsii (USSR)	
1963, no. 11, p. 57-58	579
1963, no. 11, p. 59	578
1963, no. 12, p. 5-7	603
1963, no. 12, p. 7-8	602
1963, no. 12, p. 84-85	603
Ceskoslovenska' Roentgenologie 1960, v . 14, no. 2, p. 110-115	541
Chemia Analityczna (Poland) 1959, v. 4, no. 1, p. 25-28	556
Chemicke Listy (Czechoslovakia) 1958, v. 52, p. 2175-2177	603
Chemicky Prumysl (Czechoslovakia) 1957, v. 7(32), no. 6, p. 321-326	559
Chemische Berichte (West Germany) 1960, v. 93, p. 706-719	563
Chudo Nashego Vremeni, Kibernetika i Problemi Razvitiya, Leningrad, 1963, 140p.	619
Chung Kuo Nung Yeh K'o Hsüeh (Chinese People's Republic) 1962, no. 5, p. 41-45	537
Dal'nyaya Elektroperedacha Volzhskaya GAS imeni V. I. Lenina-Moskva. Sbornik Statei, Moscow, 1958, 488p.	B-18
Deutsche Apotheker-Zeitung (West Germany) 1953, v. 93, no. 5, p. 81-82	557
Deutsche Keramische Gesellschaft. Berichte (Germany) 1937, v. 18, no. 10, p. 433-443	584
Deutschen Gesellschaft für Endokrinologie Symposium (no. 9) Wiesbaden/Mainz, 3-5 May 62 pub. 1963, p. 1-13	533
Deyatel'noe i Tormoznoe Sostoyanie Mozga, Moscow, 1961, 412p.	538
Docaero (France)	
1954, no. 29, p. 17-22	575
1954, no. 29, p. 23-29	575
1954, no. 29, p. 30-34	575
Ekonomicheskaya Gazeta (USSR)	
1963, no. 38(111(p. 17	600
1963, no. 46(119) p. 17	525
1963, no. 47(120) p. 5-9	577
1963, no. 50(123) p. 5	576
1963, no. 50(123) p. 20	586
1963, no. 51(124) p. 38	575
1963, no. 51(124) p. 38	576
1964, no. 1(126) p. 13	578
1964, no. 1(126) p. 46	577
1964, no. 2(127) 11 Jan, p. 3-5	620
Ekonomika Sel'skogo Khozyaistva (USSR) 1953, v. 24, no. 11, p. 27-35	526
Eksperimental'naya Khirurgiya i Anesteziologiya (USSR)	
1963, v. 8, no. 6, p. 305	552
1963, v. 8, no. 6, p. 66-67	546
Elektronische Rundschau (West Germany) 1962, v. 16, no. 1, p. 18-20	578
Elektrosvyaz' (USSR) 1963, v. 17, no. 8, p. 75	619
l'Eloquence Francaise, v. 2, n.p. 1949, p. 79-88	620
Energetik (USSR)	
— 1963, v. 11, no. 10, p. 46-47	577
Enfance (France) 1952, v. 5, p. 250-261	538
ETZ Elektrotechnische Zeitschrift. Ausgabe B. der Elektrotechniker (West Germany) 1963, v. 15, p. 603-607	578
Farmakologiya i Toksikologiya (USSR)	
1960, v. 23, no. 3, p. 242-245	547
1963, v. 26, no. 1, p. 66-72	546
1963, v. 26, no. 2, p. 197-201	545
Fizicheskaya Geografiya Bolgarii, Moscow, 1960, 358p.	568
Fizika Metallov i Metallovedenie (USSR)	
1961, v. 21, no. 4, p. 617-619	601
1962, v. 13, no. 3, p. 415-426	596
1963, v. 15, no. 1, p. 5-160	C-196
Fizika Tverdogo Tela (USSR) 1963, v. 5, no. 3, p. 921-927	615
Fiziologicheskii Zhurnal (SSSR)	
1962, v. 48, no. 9, p. 1099-1104	533
1963, v. 49, no. 3, p. 366-369	534
Fiziologichnyi Zhurnal (USSR)	
1962, v. 8, no. 1, p. 107-111	533
1963, v. 9, no. 1, p. 90-95	532
1963, v. 9, no. 6, p. 707-715	533
Fiziologiya i Patologiya Dieniseфal'noi Oblasti Chelovecheskogo Mozga, Moscow, 1963	B-17
Foreign Food Legislation Denmark, Switzerland, Belgium, Austria, and Netherlands. Approx. 250p.	B-17
Fuji Film Co., Ltd. Scientific Publications (Japan) 1953, no. 1, p. 76-94	586
Gallii, Kiev, 1963	B-18
Gaz, Woda i Technika Sanitarna (Poland) 1960, v. 34, no. 8, p. 295-297	577
Geofizicheskii Byulleten' (USSR)	
1962, no. 12, p. 3-6	568
1962, no. 12, p. 10-13	566, 568
1962, no. 12, p. 39-42	566, 568
1962, no. 12, p. 61-68	568, 569
1962, no. 12, p. 69-73	568
1962, no. 12, p. 74-80	566, 568
1962, no. 12, p. 81-84	568, 570
1962, no. 12, p. 103-108	568, 571
1962, no. 12, p. 125-127	568, 620
Geologiya i Geofizika (USSR)	
1963, no. 9, p. 66-82	568, 571
1963, no. 9, p. 83-92	568, 570
1963, no. 9, p. 93-101	568, 570
1963, no. 10, p. 5-19	569
Gidrometeorologicheskii Institut, Leningrad. Trudy (USSR) 1963, no. 15, p. 2-240	B-18
Giesserei (West Germany)	
1962, v. 49, no. 6, p. 136-142	580
1963, v. 50, no. 20, p. 602-609	602
Gigiena i Sanitariya (USSR)	
1963, v. 28, no. 12, p. 62-65	579
Gigiena Truda i Professional'nye Zabolevaniya (USSR)	
1963, v. 7, no. 4, p. 3-9	549
Glowny Instytut Gornictwa Kommunikat (Poland)	
1959, no. 241, p. 1-15	575
1960, no. 244, p. 1-8	575
Grudnaya Khirurgiay (USSR)	
1963, v. 5, no. 6, p. 34-39	536
Hodowla Roslin, Aklimatyzacja i Nasiennictwo (Poland)	
1959, v. 3, no. 3, p. 277-319	535
1961, v. 5, no. 3, p. 285-330	535
Hutnicke Listy (Czechoslovakia) 1963, v. 18, no. 6, p. 401-403	600
Idojaras (Hungary) 1963, v. 67, no. 6, p. 257-307, 311-312	565
Industrie-Lackier-Betrieb (West Germany) 1963, v. 31, p. 172-174	586
Institut za Nuklearne Nauke Bilten (Yugoslavia)	
1963, v. 14, no. 4, p. 187-196	604, 612
1963, v. 14, no. 4, p. 197-205	604, 605
1963, v. 14, no. 4, p. 206-218	599, 604
1963, v. 14, no. 4, p. 219-232	599, 604
1963, v. 14, no. 4, p. 233-235	578, 604
1963, v. 14, no. 4, p. 236-246	548, 246
1963, v. 14, no. 4, p. 249-252	604, 605
Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia)	
1962, v. 9, no. 24	566, 593-594, 59
1963, v. 10, no. 26	568, 593-594
Institutul Politehnic Iasi Bulletinul (Rumania)	
1958, v. 4(8) no. 3/4, p. 19-68	59
1959, v. 5(9) no. 1/2, p. 51-100	59
Instytut Badawczy Lesnictwa Prace (Poland)	
1958, no. 177, p. 5-43	57
1958, no. 178, p. 45-84	57
1958, no. 179, p. 85-99	57
1958, no. 180, 101-116	57
1958, no. 181, p. 117-172	57
1958, no. 182, p. 173-209	527, 57
Inzhenerno-Fizicheskii Zhurnal (USSR)	
1963, v. 6, no. 5	609, 61
1963, v. 6, no. 5, p. 3-6	609, 61
1963, v. 6, no. 5, p. 17-21	609, 61
1963, v. 6, no. 5, p. 23-28	609, 61
1963, v. 6, no. 5, p. 29-33	609, 61
1963, v. 6, no. 5, p. 34-41	609, 61
1963, v. 6, no. 5, p. 42-49	609, 61
1963, v. 6, no. 5, p. 50-54	562, 60
1963, v. 6, no. 5, p. 55-62	564, 60
1963, v. 6, no. 5, p. 63-69	564, 60
1963, v. 6, no. 5, p. 7 -74	609, 61
1963, v. 6, no. 5, p. 75-85	562, 60
1963, v. 6, no. 5, p. 86-91	609, 61
1963, v. 6, no. 5, p. 92-98	589, 60
1963, v. 6, no. 5, p. 99-105	609, 61
1963, v. 6, no. 5, p. 106-113	596, 60
1963, v. 6, no. 5, p. 114-118	609, 61
1963, v. 6, no. 5, p. 119-123	609, 61
1963, v. 6, no. 5, p. 124-127	609, 61
1963, v. 6, no. 5, p. 128-132	609, 61
1963, v. 6, no. 5, p. 133	609, 61
1963, v. 6, no. 8, p. 41-44	5
1963, v. 6, no. 9, p. 1-137	6
1963, v. 6, no. 9, p. 3-9	6
1963, v. 6, no. 9, p. 10-17	6
1963, v. 6, no. 9, p. 18-26	5
1963, v. 6, no. 9, p. 27-34	6
1963, v. 6, no. 9, p. 35-39	6
1963, v. 6, no. 9, p. 40-46	6
1963, v. 6, no. 9, p. 47-51	6
1963, v. 6, no. 9, p. 52-56	6
1963, v. 6, no. 9, p. 57-60	6
1963, v. 6, no. 9, p. 61-66	6
1963, v. 6, no. 9, p. 67-72	6
1963, v. 6, no. 9, p. 73-79	6
1963, v. 6, no. 9, p. 80-86	6
1963, v. 6, no. 9, p. 87-96	6
1963, v. 6, no. 9, p. 97-99	5
1963, v. 6, no. 9, p. 100-104	6
1963, v. 6, no. 9, p. 105-110	5
1963, v. 6, no. 9, p. 111-118	5
1963, v. 6, no. 9, p. 127-137	6
Ionoobmennye Sorbenty v Promyshlennosti, Moscow, 1963, 244p.	B-
Irkutskii Gosudarstvennyi Nauchno-Issledovatel'skii Protivochummyi Institut Sibiri i Dal'nego Vostoka. Izvestiya (USSR) 1959, v. 21, p. 108-121	5
Istoriya Razvitiya Kolebatel'nykh Dvizhenii Zemnoi Kory Pamira i Sopredel'nykh Chastei Asii, Moscow 1962, 177p.	B-
Istoriya Tekhniki, Moscow, 1962, 772p.	B-
Izotopy v Biokhimii, Teoreticheskie Osnovy. Problematika Rezul'taty, Moscow, 1963, 380p.	B-
Izvestiya (USSR) 1963, 14 Nov, p. 3	5
Izvestiya Vyashikh Uchebnykh Zavedenii. Aviatsionnaya Tekhnika (USSR)	
1963, v. 6, no. 2, p. 3-7	575, 5
1963, v. 6, no. 2, p. 8-10	5
1963, v. 6, no. 2, p. 11-21	575, 5
1963, v. 6, no. 2, p. 22-28	575, 5
1963, v. 6, no. 2, p. 28-33	575, 5
1963, v. 6, no. 2, p. 34-43	575, 5
1963, v. 6, no. 2, p. 44-49	575, 5
1963, v. 6, no. 2, p. 50-59	575, 5
1963, v. 6, no. 2, p. 60-64	575, 5
1963, v. 6, no. 2, p. 65-69	575, 5

Journal	Page
Izvestiya Vysshikh Uchebnykh Zavedenii Aviatsionnaya Tekhnika (USSR) (con.)	
1963, v. 6, no. 2, p. 70-77	575, 582
1963, v. 6, no. 2, p. 78-86	575, 582
1963, v. 6, no. 2, p. 87-91	575, 594
1963, v. 6, no. 2, p. 92-101	575, 582
1963, v. 6, no. 2, p. 102-110	575, 617
1963, v. 6, no. 2, p. 111-117	575, 582
1963, v. 6, no. 2, p. 118-123	575, 592
1963, v. 6, no. 2, p. 124-133	575, 589
1963, v. 6, no. 2, p. 134-138	575, 579
1963, v. 6, no. 2, p. 139-141	575, 619
Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR)	
1960, no. 9, p. 5-7	602
Izvestiya Vysshikh Uchebnykh Zavedenii Priborostroenie (USSR)	
1963, v. 6, no. 2, p. 3-8	578, 619
1963, v. 6, no. 2, p. 9-13	579, 619
1963, v. 6, no. 2, p. 14-29	579, 619
1963, v. 6, no. 2, p. 30-36	590, 619
1963, v. 6, no. 2, p. 37-46	590, 619
1963, v. 6, no. 2, p. 47-53	588, 619
1963, v. 6, no. 2, p. 54-62	574, 619
1963, v. 6, no. 2, p. 63-73	574, 619
1963, v. 6, no. 2, p. 74-77	574, 619
1963, v. 6, no. 2, p. 78-88	577, 619
1963, v. 6, no. 2, p. 89-98	613, 619
1963, v. 6, no. 2, p. 99-106	613, 619
1963, v. 6, no. 2, p. 107-114	574, 619
1963, v. 6, no. 2, p. 115-128	582, 619
1963, v. 6, no. 2, p. 129-136	578, 619
1963, v. 6, no. 2, p. 137-146	616, 619
1963, v. 6, no. 2, p. 147-153	582, 619
1963, v. 6, no. 2, p. 154-155	578, 619
1963, v. 6, no. 2, p. 156-158	575, 619
Izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR)	
1961, v. 4, no. 5, p. 795-822	618
1961, v. 4 no. 5, p. 823-830	618
1963, v. 6, no. 3, p. 431-435	529, 609
1963, v. 6, no. 3, p. 437-448	528, 609
1963, v. 6, no. 3, p. 449-456	609, 612
1963, v. 6, no. 3, p. 457-460	609, 610
1963, v. 6, no. 3, p. 461-568	609, 610
1963, v. 6, no. 3, p. 469-479	609, 610
1963, v. 6, no. 3, p. 480-487	609, 610
1963, v. 6, no. 3, p. 488-494	566 609
1963, v. 6, no. 3, p. 495-500	609, 610
1963, v. 6, no. 3, p. 501-512	609, 610
1963, v. 6, no. 3, p. 513-517	609, 610
1963, v. 6, no. 3, p. 518-528	609, 613
1963, v. 6, no. 3, p. 529-535	609, 613
1963, v. 6, no. 3, p. 536-550	609, 618
1963, v. 6, no. 3, p. 551-560	609, 618
1963, v. 6, no. 3, p. 561-571	609, 618
1963, v. 6, no. 3, p. 572-580	609, 618
1963, v. 6, no. 3, p. 581-584	609, 618
1963, v. 6, no. 3, p. 585-590	609, 611
1963, v. 6, no. 3, p. 591-607	609, 611
1963, v. 6, no. 3, p. 608-615	609, 612
1963, v. 6, no. 3, p. 616-623	528, 609
1963, v. 6, no. 3, p. 624-628	609, 618
1963, v. 6, no. 3, p. 629-630	529, 609
1963, v. 6, no. 3, p. 631	529, 609
1963, v. 6, no. 3, p. 631-633	529, 609
1963, v. 6, no. 3, p. 633-634	529, 609
1963, v. 6, no. 3, p. 634-636	609, 611
1963, v. 6, no. 3, p. 637-640	528, 609
1963, v. 6, no. 3, p. 640, 641	609, 610
1963, v. 6, no. 3, p. 641-644	609, 611
1963, v. 6, no. 3, p. 644-646	609, 619
Jahrbücher für Wissenschaftliche Botanik (Germany)	
1938, v. 86, p. 518-673	535
Jen Min Joh Pao (Chinese People's Republic)	
1963, 10 Dec, p. 2	531
Jernkontoret Stockholm. Annaler (Sweden)	
1963, v. 147, no. 1, p. 116-132	599
Journal für Praktische Chemie (Germany)	
1941, v. 159, no. 8/10, p. 194-217	559
Journal of Chromatography (Netherlands)	
1961, v. 6, p. 505-513	557
Jugoslovensko Pronalazastvo	
1963, v. 4, no. 46, p. 1-13; no. 47, p. 1-4, 8-12, 20-24	574

Journal	Page
Kardiologiya (USSR)	
1962, v. 2, no. 4, p. 42-46	539
1962, v. 2, no. 5, p. 18-27	545
1963, v. 2, no. 4, p. 46-52	543
1963, v. 3, no. 2, p. 10-15	544
1963, v. 3, no. 2, p. 23-27	540
1963, v. 3, no. 2, p. 43-48	543
1963, v. 3, no. 3, p. 27-33	541
Kazakhstanskaya Pravda (USSR)	
1963, 1 Dec, p. 2	526
Khimicheskie Volokna (USSR)	
1962, no. 1, p. 7-8	585
1962, no. 5, p. 5-15	585
1962, no. 5, p. 49-51	585
Khimicheskoe Mashinostroenie (USSR)	
1963, v. 5, no. 4, p. 28-29	603
1963, v. 5, no. 4, p. 35-36	602
Khimiya Zemnoi Kory, Moscow, 1963, 430p.	B-17
Khlebopekarnaya i Konditerskaya Promyshlennost' (USSR)	
1960, v. 4, no. 5, p. 8-10	580
Kibernetika i Elektronno-Vychislitel'naya Tekhnika, Moscow/ Leningrad,	
1962	590, 591
1962	540, 590
Kibernetika v Voennom Dele, Moscow,	
1963,	590
Klinicheskaya Meditsina (USSR)	
1963, v. 41, no. 2, p. 78-83	541
1963, v. 41, no. 3, p. 126-131	539
1963, v. 41, no. 5, p. 19-23	540
1963, v. 41, no. 5, p. 79-83	532
1963, v. 41, no. 5, p. 83-87	534
1963, v. 41, no. 6, p. 79-85	541
1963, v. 41, no. 6, p. 105-109	544
1963, v. 41, no. 6, p. 166	551
1963, v. 41, no. 10, p. 158	539
K'o Hsueh Ta Chung (Chinese People's Republic)	
1962, no. 1, p. 6-7	537
K'o Hsüeh T'ung Pao (Chinese People's Republic)	
1963, no. 9, p. 27-42	547, 618
1963, no. 9, p. 50-52	613, 618
Koks i Khimiya (USSR)	
1960, no. 10, p. 42-46	614
Kommunist, Erevan (USSR)	
1963, 2 Apr, p. 4; 8 Aug, p. 3; 16 Oct, p. 2	531
Komsomol'skaya Pravda (USSR)	
1963, 30 Nov, p. 4	536
Konservnaya i Ovoshchesushil'naya Promyshlennost' (USSR)	
1963, v. 18, no. 9, p. 26-29	549
Kosmicheskie Issledovaniya (USSR)	
1963, v. 1, no. 2, p. 195-334	528, C-194
Krasnaya Zveda (USSR)	
1962, no. 116, 19 May	575
1962, no. 167, 18 Jul	575
Kryl'ya Rodiny (USSR)	
1957, v. 8, no. 6, p. 20-22	579
Kuang Ming Jih Pao (Chinese People's Republic)	
1963, 26 Jul, p. 3	525
Kung Jen Jih Pao (Chinese People's Republic)	
1963, 26 Dec, p. 2	531
Kuznechno-Shtampovochnoe Proizvodstvo (USSR)	
1963, v. 5, no. 11, p. 27	581
1963, v. 5, no. 11, p. 45	581
1963, v. 5, no. 11, p. 45-46	581
Laboratornoe Delo (USSR)	
1962, v. 8, no. 9, p. 26-29	541
Lakokrasochnye Materialy i Ikh Primenenie (USSR)	
1963, no. 1, p. 42-43	604
1963, no. 3, p. 77-78	583
1963, no. 4, p. 23-26	586
1963, no. 4, p. 51-52	586
Landwirtschaftliches Jahrbuch für Bayern (West Germany)	
1953, v. 30, p. 33-46	
Lechebnoe i Diagnosticheskoe Primenenie Radioaktivnykh Izotopov, Kiev,	
1963, p. 5-10	550
1963, p. 256-257	549, 550

Journal	Page
Leningrad U. Vestnik (USSR)	
1963, v. 18, no. 3, Seriya Biologii, no. 1, p. 109-115	533
1963, v. 18, no. 3, Seriya Biologii, no. 1, p. 139-143	533
1963, v. 18, no 24, Seriya Geologii i Geografii no. 4, p. 147-153	571
Liteinoe Proizvodstvo (USSR)	
1963, no. 9, p. 28-29	569
1963, no. 10, p. 15	600
1963, no. 10, p. 45	603
Lyuminestsentnyi Analiz, Moscow, 1961, 399p.	B-17
Magyar Tudomanyos Akademia Agrartudomanyok Osztalyanak Kozlemenyei (Hungary)	
1963, v. 22 no. 3/4, p. 225-265, 267-347, 349-361, 363-393, 395-405, 409-421, 423-429, 431-450	535
Mashinostroitel' (USSR)	
1963, no. 11, p. 21	581
Masloboino-Zhirovaya Promyshlennost' (USSR)	
1961, v. 27, no. 7	583
Matematicheskii Sbornik (USSR)	
1934, v. 41, no. 4, p. 561-574	589
1937, v. 2, no. 44, p. 467-499	590
1959, v. 48(90) p. 335-376	589
1960, v. 50(92) no. 3, p. 299-334	589
Materialprüfung (West Germany)	
1963, v. 5, no. 3, p. 107-113	587
Materialy Rabochego Soveshchaniya po Fizike Medlennykh Neitronov, 7-12 Dec 61, Dubna	
1962, p. 3-11, 20-33, 47-240	604-609, 612-615
Max-Planck Institut für Strömungsforschung und der Aerodynamicschen Versuchsanstalt. Mitteilungen (West Germany)	
1958, no. 18	592, 593
Meditsinskaya Gazeta (USSR)	
1963, v. 26, 11 Oct, p. 3	542
1963, v. 26, 1 Nov, p. 3	531
Meditsinskaya Promshlennost' SSSR,	
1954, no. 1, p. 39-42	584
Meditsinskaya Radiologiya (USSR)	
1962, v. 7, no. 3, p. 8-13	550
1962, v. 7, no. 8, p. 3-11	549
1962, v. 7, no. 11, p. 59-65	548
1962, v. 7, no. 11, p. 77-82	540
1963, v. 8, no. 2, p. 13-19	550
1963, v. 8, no. 2, p. 28-35	548
1963, v. 8, no. 2, p. 35-42	548
1963, v. 8, no. 2, p. 42-47	550
1963, v. 8, no. 3, p. 26-31	549
1963, v. 8, no. 3, p. 34-38	549
1963, v. 8, no. 3, p. 57-61	548
1963, v. 8, no. 3, p. 66-71	550
1963, v. 8, no. 3, p. 71-76	547
1963, v. 8, no. 4, p. 62-68	550
1963, v. 8, no. 4, p. 80-81	549
1963, v. 8, no. 4, p. 82-84	547
1963, v. 8, no. 8, p. 77-87	550
Medycyna Doswiadczalna i Mikrobiologia (Poland)	
1963, v. 15, no. 2	536-537, 530, 540
Mekhanizatsiya Stroitel'stva (USSR)	
1963, v. 20, no. 12, p. 24-25	581
Merzlotnye Issledovaniya (USSR)	
1961, v. 1, p. 190-207	567
1961, v. 1, p. 208-215	567
1961, v. 1, p. 216-226	567
1961, v. 1, p. 227-235	567, 568
Metallovedenie i Termicheskaya Obrabotka Metallov (USSR)	
1963, no. 10, p. 30	595
1964, no. 1, p. 52-55	602
1964, no. 1, p. 55-56	602
Metallurg, Leningrad (USSR)	
1935, v. 10, no. 7, p. 100-113	561
Metallurgiya i Metallovedenie Chistykh Metallov (USSR)	
1963, v. 4, p. 5-10, 18-33, 47-63, 69-109, 122-148, 160-181, 228-242	595-597, 599
Metallurgiya Medi i Nikelya, Moscow,	
1958, 391p.	B-17
Meteoritika (USSR)	
1963, v. 23, p. 103-130	529

Journal	Page
Meteorologicheskii i Radiatsionnyi Rezhim Antarktidy, Leningrad, 1961, 448p.	B-18
Mezhvuzovskoe Soveshchanie po Katalizu, no. 1 (Moscow) 1958, Trudy, v. 1, pt. 1, p. 83-89	565
Morskoi Flot (USSR) 1963, v. 23, no. 3, p. 17-19	578
Moskovskaya Sel'skokhozyaistvennaya Akademiya. Doklady, (USSR) 1961, v. 70, p. 21-25	526, 527
Moskovskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya (USSR) 1962, no. 2[45] p. 165-183	B-18
Muncitorul Sanitar (Rumania) 1964, v. 15, no. 2(710) p. 4	539
Nauchno-Tekhnicheskoe Obshchestvo Mashinostroitel'noi Promyshlennosti. Sektsii Metallovedeniya i Tericheskoi Obrabotki Metallov. Trudy (USSR) 1960, v. 2, p. 3-11	603
Nauka i Tekhnika (Latvian SSR) 1962, no. 40(185) p. 3-4	579
Naukovyi Shchorichnykh, Kiev, 1956, p. 529-530	592
Navedenie na Tsel' Zenitnykh Raket, Moscow, 1963, p. 3-82	B-18
O Prirode Obraza (Psikhicheskoe Otrazhenie v Svete Idei Kibernetiki) Moscow, 1963, p. 3-123	619
Ogonek (USSR) 1963, v. 41, no. 50, p. 6-7	577
Okeanologiya (USSR) 1962, v. 2, no. 5, p. 849-863	B-17
1963, v. 3, no. 3, p. 495-499	572, 573
1963, v. 3, no. 3, p. 504-505	572, 574
1963, v. 3, no. 3, p. 523-526	572, 573
1963, v. 3, no. 3, p. 537-538	572, 573
1963, v. 3, no. 3, p. 540-549	572
1963, v. 3, no. 3, p. 550-554	572, 573
1963, v. 3, no. 3, p. 554-558	572, 558
1963, v. 3, no. 5, p. 861-869	573
1963, v. 3, no. 5, p. 936-938	574
1963, v. 3, no. 5, p. 938-940	535
1963, v. 3, no. 5, p. 940	572
Ortopediya, Travmatologiya i Protezirovanie (USSR) 1961, v. 22, no. 5, p. 65-69	536
1963, v. 24, no. 5, p. 94	551
1963, v. 24, no. 10, p. 93-94	551
1963, v. 24, no. 10, p. 94	551
Orvosi Hetilap (Hungary) 1963, v. 104, no. 44, p. 2065-2094	530
Osnovnye Zadachi Teorii Laminarnykh Techenii, Moscow, 1951, p. 3-6, 268-313	594
Osnovy Gidrograficheskogo Deshifrirovaniya Aerosnimkov, Leningrad, 1956, 343p.	B-18
Osnovy Khimicheskoi Tekhnologii Iskustvennykh Radioaktivnykh Elementov, Moscow, 1961, 332p.	605
Osnovye Konstitutsii Mineralov, Moscow, 1962, 63p.	B-17
Parfumerie Moderne (France) 1923, v. 16, Nov, p. 260-262	546
Patent (Belgium) 555 380	558
Patent (East Germany) 21 328	584
26 004	584
Patent (France) 415 888	581
466 112	582
610 585	582
817 537	577
962 436	580
1 236 895	582
Patent (Germany) 245 195	577
426 479	580
494 575	556
562 010	560
591 196	560
592 052	559
595 219	558
596 576	585
Patent (Germany) (con.) 597 305	559
607 018	560
608 692	556
609 164	560
609 456	560
609 634	609
609 697	560
612 843	583
619 386	556
624 843	585
627 043	578
629 723	580
637 942	545
861 718	612
876 475	611
970 196	578
1 050 768	560
1 062 836	605
1 074 281	611
1 102 519	558
Patent (Italy) 597 165	582
Patent (Poland) 46 567	580
46 747	583
46 936	580
47 050	586
47 054	595
47 245	586
Patent (Switzerland) 183 570	583
Patent (USSR) 137 511	560
Patent application (Germany) S 36 512	559
Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1963, v. 7, no. 1, p. 44-49	542
Perenoschiki Vozbuditelei Prirodno-ochagovykh Boleznei, n.p. 1962, 342p.	B-17
Photographische Korrespondez (Austria) 1939, v. 75, no. 10/12, p. 138-145	613
Plasticheskie Massy (USSR) 1962, no. 10, p. 71-73	586
1962, no. 12, p. 18-21	587
Plenum Respublikanskoi Komissii po Bor'be s Silikozom (no. 13) 1961. Materialy, n. p., p. 100-108	544
Pokitekhnicheskii Institut Leningrad. Nauchno-Tekhnicheskii Informat-sionnyi Byulleten' (USSR) 1957, no. 10, p. 19-29	528
Polish Medical Journal, 1962, v. 1, no. 5/6	C-198
Polyarnyi Nauchno-Issledovatel'skii Institut Morskogo Rybnogo Khozyai-stva i Okeanografii. Nauchno-Tekhnicheskii Byulleten' (USSR) 1962, no. 1(19) p. 13-15	552, 555
1962, no. 1(19) p. 16-18	552
1962, no. 4(22) p. 24-25	552
1962, no. 4(22) p. 25-26	552, 553
1962, no. 4(22) p. 36-38	552, 572
1962, no. 4(22) p. 46-47	552
1962, no. 4(22) p. 47-48	552, 553
Proshkovaya Metallurgiya (USSR) 1961, v. 1, no. 2, p. 108-115	603
Povysheni e Ustoichivosti Organizma k Deistviyu Toksicheskikh Veshchestv, Baku, 1963, p. 2-5, 85-94	544
Pozharnaya Profilaktika pri Ekspluatatsii Vychislitel'nykh Mashin, Moscow, 1962, p. 50	580
Pravda, Leningrad (USSR) 1963, 24 Oct	602
1963, 14 Nov, p. 2	589
1963, 16 Nov, p. 1	577
Pravda, Moscow (USSR) 1963, 17 Nov, p. 4	587
1963, 1 Dec, p. 2	526
Predel'no Dopustimye Kontsentratsii Atmosferenykh Zagryaznenii, Moscow, 1962, bk. 6; 1963, bk. 7	579
Primenenie Radioaktivnykh Izotopov v Gidrotekhnicheskom Stroitel'stve, Moscow, 1961, 163p.	
Priroda (USSR) 1963, v. 52, no. 11, p. 27-31	531,
1963, v. 52, no. 11, p. 79-83	531,
1963, v. 52, no. 11, p. 102-104	
1963, v. 52, no. 11, p. 106-108	531,
Problemy Gematologii i Perelivaniya Krovi (USSR) 1963, v. 8, no. 2, p. 28-34	
1963, v. 8, no. 5, p. 3-16	
1963, v. 8, no. 6, p. 18-21	
1963, v. 8, no. 6, p. 21-27	
1964, v. 9, no. 1, p. 44-46	
Problemy Tuberkuleza (USSR) 1963, v. 41, no. 11, p. 93-94	
Promyshlennost' Armenii (USSR) 1963, v. 6, no. 9, p. 44-46	
Radiobiologiya (USSR) 1963, v. 3, no. 3, p. 329-485	547, C
Radioisotopes (Japan) 1961, v. 10, no. 1, p. 8-18	
Radiotekhnika i Elektronika (USSR) 1963, v. 8, no. 11, p. 1862-1872	
Rechevoi Signal v Kibernetike i Svyazi: Preobrazovanie Rechi Primenitel'no k Zadacham Tekhniki Svyazi i Kibernetiki, 1963, 452p.	
Referativnyi Zhurnal. Fizika (USSR) 1963, nos. 8, 10	
Referativnyi Zhurnal. Geologiya (USSR) 1963, no. 9	
Referativnyi Zhurnal. Gornoe Delo (USSR) 1963, nos. 6 and 8	
Referativnyi Zhurnal. Khimiya (USSR) 1963, no. 18	
Referativnyi Zhurnal. Mekhanika (USSR) 1960, no. 12	
Referativnyi Zhurnal. Metallurgiya (USSR) 1963, nos. 7-8	
Referativnyi Zhurnal. Otdel'nyi Vypusk 51: Astronomiya (USSR) 1963, no. 9	
Rel'ef Kraevoi Zony, Kiev, 1962, p. 1-8	
Rikagaku Kenkyujo Hokoku (Japan) 1940, v. 19, p. 167-169	
Rol' Nukleinovykh Kislot v Differentsirovke Malignizatsii, Riga, 1963, 168p.	
Russkoe Fiziko-Khimicheskoe Obshchestvo. Zhurnal 1915, v. 47, p. 1611-1615	
Seifen-Ole-Fette-Wachse (Germany) 1935, v. 62	
1935, v. 62, p. 189	
1935, v. 62, p. 197	
1935, v. 62, p. 229	
1935, v. 62, p. 230	
1935, v. 62, p. 249	
Sel'skoe Khozyaistvo Kazakhstana (USSR) 1963, v. 11, no. 4, p. 48-49	526,
Shakhtnoe Stroitel'stovo (USSR) 1963, v. 7, no. 11, p. 4	
Shu Hsüeh Hsüeh Pao (Chinese People's Republic) 1955, v. 5, p. 193-204	
Silicates Industriels (Belgium) 1950, v. 15, no. 10, 3p	
Silikat Technik (East Germany) 1955, v. 6, p. 99-104	
Sistema Psikhoprofilakticheskogo Obezbolivaniya Rodov, n.p., 1963, 308p.	
Slovenska Akademija Znanosti in Umetnosti. Razred za Prirodoslovne in Medicinske Vede. Razprave (Yugoslavia) 1955, v. 3, p. 3-65	
Societe de Biologie et de ses Filiales. Comptes Rendus des Seances (France) 1938, v. 128, p. 995-997	
1952, v. 146, p. 979-980	
Sovetskaya Antarkticheskaya Ekspeditsiya. Informatsionnyi Byulleten' (USSR) 1959, no. 8, p. 8-11	

Journal	Page
Sovetskaya Kirgiziya (USSR) 1963, 13 Nov, p. 4	602
Sovetskaya Latviya (Latvian SSR) 1963, 14 Sep.	568
Sovetskaya Litva (Lithuanian SSR) 1963, 21 Dec, p. 2	525
Sovetskaya Meditsina (USSR) 1963, v. 26, no. 2, p. 134-138	546
1963, v. 26, no. 3, p. 35-38	546
1963, v. 26, no. 3, p. 52-55	551
1963, v. 26, no. 3, p. 131-133	546
1963, v. 26, no. 5, p. 102-106	548
1963, v. 27, no. 9, p. 148-149	544
Sovetskaya Pedagogika (USSR) 1962, v. 26, no. 8, p. 54-58	620
1962, v. 26, no. 8, p. 147-152	620
Sovetskie Rybokhozyaistvennye Issledovaniya v Severo-Zapadnoi Chasti Atlanticheskogo Okeana, Moscow, 1962, 379p.	553-556, 566, 568, 572-574
Spravochnik Geofizika, v. 3, Elektrorazvedka, Moscow, 1963, p. 75-93, 311-329, 345-348, 381-398	571
Stahl und Eisen (West Germany) 1951, v. 71, no. 16, p. 836-839	601
1955, v. 75, no. 25, p. 1701-1705	584
1962, v. 82, no. 19, p. 1279-1287	602
1963, v. 83, no. 5, p. 265-270	597
1963, v. 83, no. 17, p. 1067-1070	579
Stal' (USSR) 1958, v. 18, no. 8, p. 742-744	602
Standartizatsiya (USSR) 1963, v. 27, no. 11, p. 3-6, 46-48	581
Steklo iKeramika (USSR) 1960, v. 17, no. 8, p. 7-9	584
Steklooboraznye Sostoyaniya v. 1, Kataliziravannaya Kristallizatsiva Stekla, Moscow, 1963, 195p.	B-17
Stiinta si Tehnica (Rumania) 1963, v. 15, no. 12, p. 26-29	575
Stomatologiya (USSR) 1963, v. 42, no. 4, p. 102	551
1963, v. 42, no. 4, p. 102-103	536
1963, v. 42, no. 4, p. 103-104	536
Stroenie Splavov Kekotornykh Sistem s Uranom i Toriem, Moscow, 1961, p. 5-19	598, 600
1961, p. 20-34	598, 600
1961, p. 35-47	598, 600
1961, p. 48-67	598, 600
1961, p. 68-86	599, 600
1961, p. 87-92	599, 600
1961, p. 93-106	598, 600
1961, p. 107-127	598, 600
1961, p. 128-140	597, 600
1961, p. 141-165	598, 600
1961, p. 166-190	598, 600
1961, p. 191-197	597, 600
1961, p. 198-213	598, 600
1961, p. 214-227	598, 600
1961, p. 228-248	598, 600
1961, p. 249-264	598, 600
1961, p. 265-295	599, 600
1961, p. 296-305	599, 600
1961, p. 306-311	600
1961, p. 312-324	600
1961, p. 325-338	595, 600
1961, p. 339-357	595 600
1961, p. 358-368	596, 600
1961, p. 369-380	595, 600
1961, p. 381-386	595, 600
1961, p. 387-394	593, 600
1961, p. 395-415	595, 600
1961, p. 416-422	596, 600
1961, p. 423-427	595, 600
1961, p. 428-437	597, 600
1961, p. 438-449	597, 600
1961, p. 450-456	497, 600
1961, p. 457-466	600
1961, p. 467-481	600
1961, p. 482-489	600
Stroitel'naya Gazeta (USSR) 1963, 15 Nov, p. 4	581
Stroitel'stvo i Arkhitektura Moskvy (USSR) 1958, no. 5, p. 8-10	577
Struktura i Dinamika Zvezdnykh Sistem, Alma-Ata, 1961, p. 6-147	529
Sudebno-Meditsinskaya Ekspertiza (USSR) 1963, v. 6, no. 4, p. 59	536
Symposium on Large-Scale Digital Calculating Machinery (no. 2) Cambridge, 1951, p. 374-386	590
Tabak (USSR) 1960, v. 21, no. 1, p. 49-51	527
Tehnika (Yugoslavia) 1964, v. 19, no. 1, p. 25-32	604
Tekstil'naya Promyshlennost' (USSR) 1961, v. 21, no. 6, p. 45-47	585
Telecommunicatii (Rumania) 1963, v. 7, no. 5, p. 193-226, 231-235	574
Teploenergetika (USSR) 1961, v. 8, no. 5, p. 79-81	616
1961, v. 9, no. 3, p. 48-50	603
Terapevticheskii Arkhiv (USSR) 1953, v. 25, no. 1, p. 71-73	532
1962, v. 34, no. 8, p. 17-22	550
1963, v. 35, no. 2, p. 22-30	545
1963, v. 35, no. 2, p. 58-60	546
1963, v. 35, no. 3, p. 38-43	543
1963, v. 35, no. 3, p. 43-46	542
1963, v. 35, no. 3, p. 70-78	544
1963, v. 35, no. 5, p. 10-15	542
1963, v. 35, no. 5, p. 34-39	543
1963, v. 35, no. 5, p. 39-44	543
Termodinamicheskie Tsikly Atomnykh Elektrostantsii, Moscow, 1963, 280p.	B-17
Tetsu to Hagne (Japan) 1963, v. 49, no. 10, p. 1281-1282	599
1963, v. 49, no. 10, p. 1617-1618	600
le Travail Humain (France) 1952, v. 15, no. 3/4, p. 256-264	589
Trud, Moscow (USSR) 1963, 13 Sep	576
Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1963, no. 47, p. 63-84	566, 567
1963, no. 47, p. 101-105	566, 567
Tsentral'nyi Institut Prognozov, Trudy, (USSR) 1963, v. 120, p. 34-43	566, 567
1963, v. 120, p. 44-48	566, 567
1963, v. 120, p. 49-57	566, 567
Tsifovaya Sistema Nakopleniya i Obrabotki Informatsii (AI-2048) Moscow, 1963, p. 1-37, 52, 100-101, 143	590
Tsitologiya (USSR) 1962, v. 4, no. 4, p. 409-417	542
1963, v. 5, no. 3, p. 359-362	531
Tungsram-Mitt. [sic] 1935/36, v. 4, p. 1-8	586
Ukazatel' Literatury po Rybnomu Khozyaistvu Dal'nego Vostoka za 1923-1956gg, Moscow, 1959, 290p.	B-18
Ukrainskii Matematicheskii Zhurnal (USSR) 1963, v. 15, no. 3, p. 305-309	579
Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1963, v. 35, no. 1, p. 84-91	547
Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1963, v. 8, no. 4, p. 405-417	611
Ul'trazvuk--Fiziko-Khimicheskoe i Biologicheskoe Deistvie, Moscow, 1963, p. 3-4; chap. 10, p. 381-411	548
Uprugie Elementy Priborov, Moscow, 1962, 456p.	B-17
Urologiya (USSR) 1963, v. 28, no. 4, p. 95	536
Uspekhi Fizicheskikh Nauk (USSR) 1958, v. 64, no.1, p. 3-154, 193-195; no. 2, p. 197-313, 361-389; no. 3, p. 417-434, 447-528, 615-623; no. 4, p. 641-667, 669-731, 781-798	609, C-185
1958, v. 65, no. 1, p. 2-110, 133-155, 157-158; no. 2, p. 161-174, 207-256, 313-349; no. 3, p. 387-406, 441-488, 521-543, 545-548; no. 4, p. 551-591, 593-719, 721-726, 733-738	609, C-188
Uspekhi Matematicheskikh Nauk (USSR) 1959, v. 14, no. 2(86) p. 159-164	589
1959, v. 14, no. 2(86) p. 165-170	589
1959, v. 14, no. 6(90) p. 3-104	619
Uspekhi Nauchnoi Fotografii (USSR) 1959, v. 6, p. 58-61	619
Uspekhi Sovremennoi Biologii (USSR) 1963, v. 56, no. 2(5)p. 161-179	550
Verein Deutscher Ingenieure Zeitschrift (West Germany) 1959, v. 101, no. 25, p. 1181-1189	600
Verfkroniek (Netherlands) 1958, v. 31, no. 2, p. 61	556
Vestnik Dermatologii i Venerologii (USSR) 1963, v. 37, no. 11, p. 94	539
Vestnik Khirurgii (USSR) 1963, v. 91, no. 11, p. 37-40	536, 551
1963, v. 91, no. 11, p. 76-79	551
1963, v. 91, no. 11, p. 79-86	551
1963, v. 91, no. 11, p. 87-88	551
1963, v. 91, no. 11, p. 99-103	545, 551
1963, v. 91, no. 11, p. 123-128	536, 551
1963, v. 91, no. 11, p. 128-135	551
1963, v. 91, no. 11, p. 145-149	541, 551
Vestnik Rentgenologii i Radiologii (USSR) 1961, v. 38, no. 1, p. 55-57	550
Vestnik Vysshei Shkoly (USSR) 1963, v. 21, no. 8, p. 51-54	529
Veterinariya (USSR) 1963, v. 40, no. 11, p. 63-65	526
Volny Prepyatstvii v Atmosfere, Leningrad, 1962	B-18
Voprosy Filosofii (USSR) 1963, v. 17, no. 5, p. 31-43	620
1963, v. 17, no. 5, p. 44-53	620
1963, v. 17, no. 5, p. 118-123	620
Voprosy Fiziologii Dvigatel'nogo Analizatora: Eksperimental'noe Issledovanie, Moscow, 1962, 238p.	533
Voprosy Ikhtiologii (USSR) 1961, v. 1, no. 2(19) p. 209-220	552, 571
1961, v. 1, no. 2(19) p. 307-313	552, 556
1961, v. 1, no. 2(19) p. 347-353	552, 553
Voprosy Onkologii (USSR) 1963, v. 9, no. 1, p. 48-54	542
1963, v. 9, no. 1, p. 59-63	543
1963, v. 9, no. 2, p. 92-98	544
Voprosy Psikhologii (USSR) 1962, v. 8, no. 5, p. 70-74	529
Voprosy Virusologii (USSR) 1963, v. 8, no. 1, p. 36-40	537
1963, v. 8, no. 2, p. 193-199	546
Vrachebnoe Delo (USSR) 1963, no. 11, p. 156	539
Vsesoyuznoe Nauchno Meterologicheskoe Soveshchanie (no. 1) Leningrad, 1961, Trudy, v. 4, Leningrad 1962	566, 567
Vsesoyuznyi Nauchno-Issledovatel'skii i Konstruktorskii Institut Khimicheskogo Mashinostroeniya. Sbornik Statei (USSR) 1958, v. 25, p. 75-86	605
Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 11, p. 1639-1646	587
Vystavka Dostizhenii Narodnogo Khozyaistva SSR. Informatsionnyi Byulleten' 1963, no. 9, p. 9	601
1963, no. 9, p. 17	595
Wochenblatt fllr Papierfabrikation (West Germany) 1962, v. 90, no. 15, p. 785-791	583
Yogyo Kyokaishi (Japan) 1943, v. 51, p. 423-425	583
Zashchita ot Radioaktivnykh Osadkov, Moscow, 1963, sect. XI, p. 107-114	605
1963, p. 172-184	605
Zavod za Geulosko; Geofizicko Istrazivanje, N.R. Srbije. Vestnik. Serija A: Geologija (Yugoslavia) 1962, v. 20, p. 7027	568, 569
1962, v. 20, p. 31-44	568, 569
1962, v. 20, p. 47-56	568, 569
1962, v. 20, p. 67-78	568, 569
1962, v. 20, p. 93-99	568
1962, v. 20, p. 103-104	568, 569
1962, v. 20, p. 107-112	568, 569

Journal	Page
Zavod za Geolosko i Geofizicko. Istrazivanje, N. R. Srbije. Vesnik. Serija, A: Geologija (Yugoslavia)	
1962, v. 20, p. 121-135	568, 569
1962, v. 20, p. 145-146	568, 571
1962, v. 20, p. 149-151	568, 570
1962, v. 20, p. 153-177	568, 571
1962, v. 20, p. 201-205	568, 571
1962, v. 20, p. 211-216	568, 571
1962, v. 20, p. 223-226	568
1962, v. 20, p. 233-244	568, 571
1962, v. 20, p. 249-259	568, 570
1962, v. 20, p. 263-269	568
1962, v. 20, p. 273-276	568, 570
1962, v. 20, p. 279-287	568, 569
1962, v. 20, p. 289-294	568, 570
1962, v. 20, p. 297-313	568, 570
1962, v. 20, p. 317-335	568, 570
Zavodskaya Laboratoriya (USSR) 1962, v. 28, no. 10, p. 1172-1177	557
Zdravookhranenie Kazakhstana (USSR) 1962, v. 22, no. 7, p. 73-75	543
Zeitschrift für Elektrochemie (Germany) 1909, v. 15, no. 20, p. 784-790	561
Zeitschrift für Metallkunde (West Germany) 1962, v. 53, no. 10, p. 617-632	597
Zeitschrift für Naturforschung (West Germany) 1950, v. 5a, p. 101-108	565
Zeitschrift für Physik (West Germany) 1954, v. 138, p. 322-329	615
Zement (Germany) 1939, v. 28, no. 22, p. 345-350; no. 23, p. 359-362; no. 24, p. 374-379	583
Zemledelie (USSR) 1954, v. 2, no. 10, p. 62-70	528
Zentrale für Technisch-Wissenschaftliches Berichtswesen über Luftfahrtforschung. Technische Berichte (Germany) 1942, v. 9, no. 4, p. 101-105	575
Zheleznodorozhnyi Transport (USSR) 1963, v. 45, no. 6, p. 36-39	583
Zhivotnyi Mir Volgogradskoi Oblasta, Volgograd, 1962	555
Zhurnal Analiticheskoi Khimii (USSR) 1948, v. 3, no. 1, p. 16-20	556
1952, v. 7, no. 3, p. 175-179	557
1954, v. 9, no. 1, p. 22-28	557
1962, v. 17, no. 6, p. 759-762	556
Zhurnal Fizicheskoi Khimii (USSR) 1939, v. 13, no. 11, p. 1546-1558	565
1945, v. 19, no. 1/2, p. 1-14	603
1951, v. 25, no. 11, p. 1306 1312	564
1952, v. 26, no. 6, p. 834-841	562
1952, v. 26, no. 12, p. 1847-1853	604
1955, v. 29, no. 6, p. 1113-1115	564
1955, v. 29, no. 9, p. 1684-1695	556
1956, v. 30, no. 9, p. 1966-1974	615
1956, v. 30, no. 11, p. 2483-2488	586
1956, v. 30, no. 11, p. 2582-2584	564
1957, v. 31, no. 8, p. 1721-1731	614
1957, v. 31, no. 8, p. 1875-1890	562
1957, v. 31, no. 9, p. 2017-2025	563
1957, v. 31, no. 10, p. 2162-2183	563
1957, v. 31, no. 11, p. 2381-2390	564
1958, v. 32, no. 4, p. 737-745	554
1958, v. 32, no. 8, p. 1726-1737	561
1958, v. 32, no. 8, p. 1842-1846	601
1958, v. 32, no. 9, p. 1951-1957	562
1961, v. 35, no. 7, p. 1622-1628	562
Zhurnal Mikrobiologii Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 2, p. 42 48	526
1963, v. 40, no. 3, p. 64-68	548
Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) 1957, v. 2, no. 4, p. 270-276	586
1959, v. 4, no. 6, p. 460	586
Zhurnal Neorganicheskoi Khimii (USSR) 1959, v. 4, no. 5, p. 1047-1054	603
Zhurnal Nevropatologii i Psikhiatrii (USSR) 1961, v. 61, no. 6, p. 902-908	546
1962, v. 62, no. 4, p. 537-542	541
1963, v. 63, no. 10, p. 1598	537
1963, v. 63, no. 11, p. 1756	538
1963, v. 63, no. 11, 1. 1758	537
1963, v. 63, no. 11, p. 1759	538
1963, v. 63, no. 12, p. 1898-1899	538
1963, v. 63, no. 12, p. 1900	537
1964, v. 64, no. 1, p. 148-155	531
Zhurnal Obshchei Khimii (USSR) 1940, v. 10, no. 13, p. 1171-1176	557
1954, v. 24, no. 2, p. 380-385	561
1960, v. 30, no. 8, p. 2573-2578	563
1961, v. 31, p. 297-305	547
1961, v. 31, no. 2, p. 354-358	559
1961, v. 31, no. 9, p. 2926-2930	559
Zhurnal Prikladnoi Khimii (USSR) 1939, v. 12, no. 7, p. 1013-1021	564
1947, v. 20, no. 4, p. 309-318	563
1951, v. 24, no. 3, p. 231-241	583
1952, v. 25, no. 10, p. 1023-1031	562
1955, v. 28, no. 3, p. 229-236	559
1955, v. 28, no. 5, p. 453-458	559
1955, v. 28, no 12, p. 1249-1254	559
1956, v. 29, no. 4, p. 512-519	561
1956, v. 29, no. 4, p. 520-528	565
1956, v. 29, no. 5, p. 671-675	561
1956, v. 29, no. 5, p. 675-682	565
1957, v. 30, no. 2, p. 195-200	563
1958, v. 31, no. 12, p. 1783-1786	557
1959, v. 32, no. 5, p. 1004-1010	576
1959, v. 32, no. 5, p. 1011-1015	568
1959, v. 32, no. 12, p. 2782-2787	559
1961, v. 34, no. 1, p. 54-59	556
1961, v. 34, no. 3, p. 505-512	564
1961, v. 34, no. 3, p. 640-643	560
1961, v. 34, no. 3, p. 682-684	563
1961, v. 34, no. 4, p. 920-926	565
1962, v. 35, no. 1, p. 139-141	565
1962, v. 35, no. 2, p. 357-361	576
Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) 1963, no. 4, p. 103-105	613
Zhurnal Tekhnicheskoi Fiziki (USSR) 1941, v. 11, no. 3, p. 197-204	563
1952, v. 22, no. 3, p. 467-473	597
1955, v. 25, no. 1, p. 29-38	614
1955, v. 25, no. 4, p. 569-576	611
1956, v. 26, no. 7, p. 1400-1405	611
Zhurnal Ushnykh, Nosovykh i Gorlovykh Boleznei (USSR) 1962, v. 22, no. 4, p. 9-12	534
Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR) 1963, v. 13, no. 2, p. 243-254	538
1963, v. 13, no. 2, p. 309-315	538, 549
Zoologicheskii Zhurnal (USSR) 1963, v. 42, no. 10, p. 1433-1445	535, 552
1963, v. 42, no. 10, p. 1446-1452	552, 554
1963, v. 42, no. 10, p. 1453-1461	552, 554
1963, v. 42, no. 10, p. 1462-1464	552, 555
1963, v. 42, no. 10, p. 1465-1471	552, 553
1963, v. 42, no. 10, p. 1539-1545	552, 553
1963, v. 42, no. 10, p. 1574-1576	548, 552
1963, v. 42, no. 10, p. 1576-1577	552
1963, v. 42, no. 10, p. 1584-1585	552, 553
1963, v. 42, no. 10, p. 1585-1586	552, 554
1963, v. 42, no. 10, p. 1587-1589	552, 555
1963, v. 42, no. 11, p. 1593-1600	552, 555
1963, v. 42, no. 11, p. 1601-1612	552, 553
1963, v. 42, no. 11, p. 1722-1724	550, 552

NUMBER INDEX

Number	Page
ABL Trans-800	540
ACIC-TC-677	529
ACIC-TC-730	529
ACSI-I-3407-G	583
ACSI-I-3636	578
ACSI-I-3784	549
AEC-tr-5331	609
AEC-tr-5332	609
AEC-tr-5436	547
AEC-tr-5737/4	604
AEC-tr-5737/4 (p. 187-196)	612
AEC-tr-5737/4 (p. 197-205)	605
AEC-tr-5737/4 (p. 206-218)	599
AEC-tr-5737/4 (p. 219-232)	599
AEC-tr-5737/4 (p. 233-235)	578
AEC-tr-5737/4 (p. 236-246)	548
AEC-tr-5737/4 (p. 249-252)	605
AEC-tr-5834	600
AEC-tr-5834 (p. 3-17)	598
AEC-tr-5834 (p. 18-32)	598
AEC-tr-5834 (p. 33-44)	598
AEC-tr-5834 (p. 45-62)	598
AEC-tr-5834 (p. 63-79)	599
AEC-tr-5834 (p. 80-84)	599
AEC-tr-5834 (p. 85-97)	598
AEC-tr-5834 (p. 98-117)	598
AEC-tr-5834 (p. 118-130)	597
AEC-tr-5834 (p. 131-153)	598
AEC-tr-5834 (p. 154-176)	598
AEC-tr-5834 (p. 177-184)	597
AEC-tr-5834 (p. 185-199)	598
AEC-tr-5834 (p. 200-212)	598
AEC-tr-5834 (p. 213-231)	598
AEC-tr-5834 (p. 232-247)	598
AEC-tr-5834 (p. 248-277)	599
AEC-tr-5834 (p. 278-288)	599
AEC-tr-5834 (p. 289-293)	600
AEC-tr-5834 (p. 294-306)	600
AEC-tr-5834 (p. 307-320)	595
AEC-tr-5834 (p. 321-336)	595
AEC-tr-5834 (p. 337-347)	596
AEC-tr-5834 (p. 348-360)	595
AEC-tr-5834 (p. 361-366)	595
AEC-tr-5834 (p. 367-375)	595
AEC-tr-5834 (p. 376-394)	595
AEC-tr-5834 (p. 395-402)	596
AEC-tr-5834 (p. 403-408)	595
AEC-tr-5834 (p. 409-418)	597
AEC-tr-5834 (p. 419-429)	597
AEC-tr-5834 (p. 430-436)	597
AEC-tr-5834 (p. 437-446)	600
AEC-tr-5834 (p. 447-461)	600
AEC-tr-5834 (p. 462-469)	600
AERE Trans-950	580
AID-T-64-8	568
AID-T-64-8 (p. 1-6)	568
AID-T-64-8 (p. 7-12)	566
AID-T-64-8 (p. 13-17)	566
AID-T-64-8 (p. 18-28)	569
AID-T-64-8 (p. 29-34)	568
AID-T-64-8 (p. 35-43)	566
AID-T-64-8 (p. 44-50)	570
AID-T-64-8 (p. 51-58)	571
AID-T-64-8 (p. 59-62)	620
ASLIB-GB43	615
ATS-38Q73R	560
ATS-63Q73H	585
ATS-73Q73G	586
BEAIRA RefTrans/IB2023	616
BNSL T-1367	585
BNSL T-1377	559
BNSL T-1463	585
BNSL T-1471	585
BNSL T-1503	587
BNSL T-1508	556
BNSL T-1512	557
BNSL T-1513	587
CE Trans-2674	596
CE Trans-2769	603
CE Trans-2997	585
CNRS-II 94	528
CNRS-II 162	527
CNRS-III 75	541
CNRS-III 103	531
CNRS-VI 97	583
CNRS-VI 111	583
CNRS-VI 117	583
CNRS-VI 297	585
CNRS-VI 341	615
CNRS-VI 456	585
CNRS-VI 457	563
CNRS-VI 513	568
CNRS-VI 517	576
CNRS-VI 567	599
CNRS-VI 677	584
CNRS-VI 681	565
CNRS-VI 684	558
CNRS-VI 685	583
CNRS-VI 687	560
CNRS-VI 702	563
CNRS-VI 714	558
CNRS-VI 725	562
CNRS-VI 799	576
CNRS-VI 801	563
CNRS-VI 815	614
CNRS-VI 830	585
CNRS-VI 833	565
CNRS-VI 835	583
CNRS-VII 20	563
CNRS-VII 22	556
CNRS-VII 42	558
CNRS-VII 44	564
CNRS-VII 51	602
CNRS-VII 69	571
CNRS-VII 70	557
CNRS-VII 72	559
CNRS-VII 75	615
CNRS-VII 98	561
CNRS-VII 112	564
CNRS-VIII 87	559
CNRS-VIII 111	560
CNRS-VIII 114	559
CNRS-VIII 115	562
CNRS-VIII 121	561
CNRS-VIII 130	559
CNRS-VIII bis 75	558
CNRS-VIII bis 86	564
CNRS-VIII bis 97	562
CNRS-VIII bis 135	557
CNRS-VIII bis 207	557
CNRS-VIII bis 261	558
CNRS-VIII bis 265	557
CNRS-VIII bis 267	614
CNRS-VIII bis 294	562
CNRS-VIII bis 305	611
CNRS-VIII bis 338	558
CNRS-VIII bis 379	561
CNRS-VIII bis 380	565
CNRS-VIII bis 381	561
CNRS-VIII bis 382	565
CNRS-VIII bis 390	611
CNRS-VIII bis 398	557
CNRS-VIII bis 399	557
CNRS-VIII bis 402	561
CNRS-VIII bis 411	558
CNRS-VIII bis 414	564
CNRS-VIII bis 415	564
CNRS-VIII bis 422	586
CNRS-VIII bis 449	614
CNRS-VIII bis 457	615
CNRS-VIII bis 459	563
CNRS-VIII bis 461	561
CNRS-VIII bis 462	563
CNRS-VIII bis 467	564
CNRS-VIII bis 472	564
CNRS-VIII bis 487	562
CNRS-VIII bis 495	561
CNRS-VIII bis 533	561
CNRS-VIII bis 580	562
CNRS-VIII bis 584	601
CNRS-VIII bis 586	603
CNRS-VIII bis 601	560
CNRS-VIII bis 644	556
CNRS-VIII bis 661	563
CNRS-VIII bis 667	557
CNRS-VIII bis 790	562
CNRS-VIII bis 795	565
CNRS-X 599	579
CNRS-XV 50	529
CNRS-XV 72	584
CNRS-XVII 267	597
CNRS-XVII 278	581
CNRS-XVII 448	600
CNRS-XVII 565	601
CNRS-XVII 607	604
CNRS-XVII 612	603
CNRS-XVII 613	601
CNRS-XVII 617	603
CNRS-XVIII 58	586
CNRS-XVIII 83	586
CNRS-XVIII 86	586
CNRS-XVIII 92	556
CNRS-XXI 259	537
CNRS-XXI 267	547
CNRS-XXI 295	547
CNRS-XXI 308	546
CNRS-XXI 384	546
CNRS-XXI 398	541
CNRS-XXV 371	577
CNRS-XXV 556	577
CNRS-XXV 627	584
CNRS-XXVII 173	535
CSIRO Trans-5898	528
DSIR-NLL-M. 3023	589
DSIR-NLL-M. 3504	563
DSIR-NLL-M. 3506	604
DSIR-NLL-M. 3509	603
DSIR-NLL-M. 3708	568
DSIR-NLL-M. 3760	616
DSIR-NLL-M. 10032	554
DSIR-NLL-M. 10073	559
DSIR-NLL-M. 10077	556
DSIR-NLL-M. 10095	585
DSIR-NLL-M. 10103	587
DSIR-NLL-M. 10363	586
DSIR-NLL-M. 10365	587
DSIR-NLL-M. 10375	585
DSIR-NLL-M. 10377	585
DSIR-NLL-M. 10381	557
DSIR-NLL-M. 10382	587
ETR-62-22	618
ETR-62-22 A	618
FASEB S-49-3	548
FASEB S-51-3	540
FASEB S-121-3	542
FASEB S-122-3	533
FASEB S-151-3	541
FASEB S-153-3	540
FASEB S-159-2	551
FASEB S-183-3	547
FASEB S-210-3	545
FASEB S-244-3	532
FASEB S-248-3	536
FASEB S-252-3	537
FASEB S-265-3	545
FASEB S-268-3	546
FASEB S-272-3	532
FASEB S-293-3	546
FASEB S-298-2	550
FASEB S-298-3	541
FASEB S-305-2	549
FASEB S-312-3	526
FASEB S-320-3	547
FASEB S-321-3	545
FASEB S-326-3	545
FASEB S-338-3	546
FASEB S-343-3	542
FASEB S-347-2	533
FASEB S-347-3	534
FASEB S-352-3	545
FASEB S-355-3	534
FASEB S-356-3	549
FASEB S-357-3	549
FASEB S-360-3	548
FASEB S-362-3	550
FASEB S-363-3	547
FASEB S-370-2	541
FASEB S-376-3	534
FASEB S-403-3	546
FASEB S-413-3	547
FASEB S-414-2	550
FASEB S-422-3	536
FASEB S-427-3	545
FASEB S-428-3	539
FASEB S-429-3	543
FASEB S-433-3	541
FASEB S-448-3	544
FASEB S-450-3	539
FASEB S-462-3	549
FASEB S-474-3	545
FASEB S-477-3	546
FASEB S-478-3	551
FASEB S-487-3	546
FASEB S-497-3	543
FASEB S-498-3	542
FASEB S-501-3	544
FASEB S-510-3	542
FASEB S-522-3	548
FASEB S-527-3	550
FASEB S-530-3	548
FASEB S-531-3	548
FASEB S-532-3	550
FASEB S-535-3	550
FASEB S-537-3	542
FASEB S-538-3	543
FASEB S-543-3	533
FASEB S-544-3	544
FASEB S-545-3	540
FASEB S-546-3	543
FASEB S-554-3	533
FASEB S-555-3	533
FASEB S-563-3	540
FASEB S-568-3	532
FASEB S-569-3	534
FASEB S-572-3	541
FASEB S-575-3	541
FASEB S-578-3	544
FASEB S-581-3	840
FASEB S-582-3	535
FASEB S-583-3	539
FASEB S-585-3	542
FASEB S-587-3	543
FASEB S-588-3	543
FASEB S-597-3	538
FASEB S-607-3	539
FASEB S-608-3	540
FASEB S-611-3	538
FASEB S-612-3	542
FASEB S-622-3	532
FASEB S-628-3	550
FASEB S-629-3	549
FASEB S-630-3	547
FASEB S-642-3	541
FASEB S-645-3	544
FASEB S-665-3	543
FASEB S-670-3	541
FASEB S-677-3	542
FASEB S-682-3	538
FASEB S-684-3	534
FASEB S-694-3	534
FR-3640	612
FTD-TT-63-687	615
FTD-TT-63-817	594
FTD-TT-63-975	579
FTD-TT-63-982	529
FTD-TT-63-1038	591
FTD-TT-63-1040	592
FTD-TT-63-1129	575
FTD-TT-63-1130	575
FTD-TT-64-22	604
FTD-TT-64-22 (p. 1-2)	608
FTD-TT-64-22 (p. 3-7)	609
FTD-TT-64-22 (p. 8-12)	613
FTD-TT-64-22 (p. 13-19)	605
FTD-TT-64-22 (p. 20-21)	609
FTD-TT-64-22 (p. 22-23)	606
FTD-TT-64-22 (p. 24-32)	607
FTD-TT-64-22 (p. 33-39)	607
FTD-TT-64-22 (p. 40-44)	606
FTD-TT-64-22 (p. 45-53)	604
FTD-TT-64-22 (p. 54-56)	604
FTD-TT-64-22 (p. 57-58)	607
FTD-TT-64-22 (p. 59-61)	607
FTD-TT-64-22 (p. 62-73)	606
FTD-TT-64-22 (p. 74-77)	607
FTD-TT-64-22 (p. 79-80)	606
FTD-TT-64-22 (p. 81-85)	606
FTD-TT-64-22 (p. 86-90)	605
FTD-TT-64-22 (p. 91-94)	615
FTD-TT-64-22 (p. 95-98)	613
FTD-TT-64-22 (p. 99-103)	604
FTD-TT-64-22 (p. 104-106)	608
FTD-TT-64-22 (p. 107-110)	605
FTD-TT-64-22 (p. 114-121)	605
FTD-TT-64-22 (p. 122-147)	607
FTD-TT-64-22 (p. 148-163)	608
FTD-TT-64-22 (p. 164-172)	608
FTD-TT-64-22 (p. 173-176)	606
FTD-TT-64-22 (p. 178-179)	607
FTD-TT-64-22 (p. 180-201)	607
FTD-TT-64-22 (p. 202-203)	607
FTD-TT-64-22 (p. 204-209)	608
FTD-TT-64-22 (p. 212-214)	609
FTD-TT-64-22 (p. 215-219)	606
FTD-TT-64-22 (p. 220-224)	608

Number	Page
FTD-TT-64-22 (p. 225-230)	608
FTD-TT-64-22 (p. 231-234)	608
FTD-TT-64-22 (p. 235-241)	608
FTD-TT-64-22 (p. 243-246)	608
FTD-TT-64-22 (p. 247-252)	608
FTD-TT-64-22 (p. 253-258)	607
FTD-TT-64-22 (p. 259-262)	612
FTD-TT-64-22 (p. 263-268)	613
FTD-TT-64-22 (p. 269-273)	612
FTD-TT-64-22 (p. 274-276)	613
FTD-TT-64-22 (p. 277-280)	612
FTD-TT-64-22 (p. 281-286)	612
FTD-TT-64-22 (p. 287-302)	614
FTD-TT-64-22 (p. 304-307)	606
FTD-TT-64-22 (p. 308-313)	614
FTD-TT-64-22 (p. 314-318)	615
FTD-TT-64-22 (p. 320)	614
FTD-TT-64-22 (p. 321-323)	614
FTD-TT-64-22 (p. 324-325)	614
FTD-TT-64-22 (p. 328-329)	614
FTD-TT-64-22 (p. 330-332)	606
FTD-TT-64-22 (p. 333-338)	606
FTD-TT-64-42	528
HB-5043	580
HB-5070	601
HB-5080	602
HB-5353	584
HB-5613	580
HB-5703	602
HB-5709	602
HB-5764	601
HB-5919	599
HB-6035	597
HB-6040	596
HB-6066	579
HB-6070	600
HB-6109	603
HB-6111	599
HB-6141	603
HB-6148	603
HB-6149	596
HB-6151	595
HB-6153	600
HB-6159	596
HB-6164	601
HB-6183	602
HB-6184	602
IGRL-T/R-106	589
JPRS-21588	572
JPRS-21915	601
JPRS-21915 (p. 4-5)	601
JPRS-21915 (p. 6-7)	570
JPRS-21915 (p. 15)	568
JPRS-21915 (p. 22-25)	600
JPRS-22022	534
JPRS-22022 (p. 1-4)	547
JPRS-22022 (p. 5-8)	548
JPRS-22022 (p. 9-13)	548
JPRS-22022 (p. 14-16)	550
JPRS-22022 (p. 17-21)	535
JPRS-22294	552
JPRS-22315 (p. 1-5)	527
JPRS-22315 (p. 6-13)	527
JPRS-22315 (p. 14-17)	527
JPRS-22479	619
JPRS-22479 (p. 1-7)	578
JPRS-22479 (p. 8-13)	579
JPRS-22479 (p. 14-31)	579
JPRS-22479 (p. 32-39)	590
JPRS-22479 (p. 50-51)	590
JPRS-22479 (p. 52-61)	588
JPRS-22479 (p. 62-71)	574
JPRS-22479 (p. 72-84)	574
JPRS-22479 (p. 85-90)	574
JPRS-22479 (p. 91-104)	577
JPRS-22479 (p. 105-114)	613
JPRS-22479 (p. 115-124)	613
JPRS-22479 (p. 125-134)	574
JPRS-22479 (p. 135-153)	582
JPRS-22479 (p. 154-163)	578
JPRS-22479 (p. 164-175)	616
JPRS-22479 (p. 176-183)	582
JPRS-22479 (p. 184-186)	578
JPRS-22479 (p. 187-190)	575
JPRS-22495	529
JPRS-22495 (p. 1)	551
JPRS-22495 (p. 2-5)	551
JPRS-22495 (p. 6-19)	535
JPRS-22495 (p. 10-11)	551
JPRS-22495 (p. 12-14)	544
JPRS-22495 (p. 15-16)	539
JPRS-22495 (p. 17-18)	537
JPRS-22495 (p. 19)	539
JPRS-22495 (p. 20-21)	551
JPRS-22495 (p. 22-24)	539
JPRS-22495 (p. 25-26)	539
JPRS-22553	609
JPRS-22553 (p. 1-8)	617
JPRS-22553 (p. 9-19)	616
JPRS-22553 (p. 20-30)	617
JPRS-22553 (p. 31-37)	617
JPRS-22553 (p. 38-48)	617
JPRS-22553 (p. 49-59)	616
JPRS-22553 (p. 60-66)	562
JPRS-22553 (p. 67-77)	564
JPRS-22553 (p. 78-89)	564
JPRS-22553 (p. 90-96)	617
JPRS-22553 (p. 97-113)	562
JPRS-22553 (p. 114-122)	610
JPRS-22553 (p. 123-131)	589
JPRS-22553 (p. 132-141)	616
JPRS-22553 (p. 142-153)	596
JPRS-22553 (p. 154-161)	617
JPRS-22553 (p. 162-168)	616
JPRS-22553 (p. 169-175)	615
JPRS-22553 (p. 176-187)	611
JPRS-22553 (p. 188-190)	616
JPRS-22553 (p. 191-209)	616
JPRS-22580	550
JPRS-22584	618
JPRS-22584 (p. 10-15)	619
JPRS-22584 (p. 16-18)	535
JPRS-22584 (p. 26)	531
JPRS-22584 (p. 27-31)	614
JPRS-22584 (p. 32-37)	572
JPRS-22584 (p. 38-39a)	572
JPRS-22584 (p. 40-44)	538
JPRS-22603	552
JPRS-22603 (p. 1-17)	571
JPRS-22603 (p. 18-29)	556
JPRS-22603 (p. 30-39)	553
JPRS-22610	550
JPRS-22615	620
JPRS-22615 (p. 10-28)	620
JPRS-22615 (p. 1-9)	620
JPRS-22615 (p. 29-42)	620
JPRS-22641	619
JPRS-22641 (p. 1-6)	537
JPRS-22641 (p. 7-24)	537
JPRS-22641 (p. 25-27)	525
JPRS-22668	575
JPRS-22668 (p. 1-6)	593
JPRS-22668 (p. 7-10)	575
JPRS-22668 (p. 11-23)	593
JPRS-22668 (p. 24-32)	593
JPRS-22668 (p. 33-39)	592
JPRS-22668 (p. 40-51)	591
JPRS-22668 (p. 52-58)	592
JPRS-22668 (p. 59-70/71)	582
JPRS-22668 (p. 72-77)	593
JPRS-22668 (p. 78-84)	592
JPRS-22668 (p. 85-94)	582
JPRS-22668 (p. 95-105)	582
JPRS-22668 (p. 106-112)	594
JPRS-22668 (p. 113-125)	582
JPRS-22668 (p. 126-136)	617
JPRS-22668 (p. 137-144)	582
JPRS-22668 (p. 145-152)	592
JPRS-22668 (p. 153-165)	589
JPRS-22668 (p. 166-172)	579
JPRS-22668 (p. 173-177)	619
JPRS-22669	605
JPRS-22690	531
JPRS-22697	595
JPRS-22697 (p. 1-7)	597
JPRS-22697 (p. 8-26)	597
JPRS-22697 (p. 27-38)	596
JPRS-22697 (p. 39-45)	597
JPRS-22697 (p. 46-63)	597
JPRS-22697 (p. 64-78)	599
JPRS-22697 (p. 79-96)	599
JPRS-22697 (p. 97-105)	596
JPRS-22697 (p. 106-117)	596
JPRS-22697 (p. 118-123)	596
JPRS-22697 (p. 124-138)	596
JPRS-22697 (p. 139-145)	599
JPRS-22697 (p. 146-162)	597
JPRS-22701	567
JPRS-22701 (p. 1-19)	567
JPRS-22701 (p. 20-29)	567
JPRS-22701 (p. 30-40)	567
JPRS-22701 (p. 41-50)	568
JPRS-22702	552
JPRS-22702 (p. 1-16)	535
JPRS-22702 (p. 17-24)	554
JPRS-22702 (p. 25-35)	554
JPRS-22702 (p. 36-39)	555
JPRS-22702 (p. 40-50)	553
JPRS-22702 (p. 51-63)	553
JPRS-22702 (p. 64-67)	548
JPRS-22702 (p. 68-70)	552
JPRS-22702 (p. 71-71a)	553
JPRS-22702 (p. 72-74)	554
JPRS-22702 (p. 75-79)	555
JPRS-22726	566
JPRS-22736	601
JPRS-22736 (p. 4-7)	602
JPRS-22739	581
JPRS-22739 (p. 6)	581
JPRS-22739 (p. 16-17)	580
JPRS-22741	566
JPRS-22741 (p. 1-12)	567
JPRS-22741 (p. 13-18)	567
JPRS-22741 (p. 19-29)	567
JPRS-22756	574
JPRS-22766	618
JPRS-22766 (p. 1-46)	547
JPRS-22766 (p. 47-56)	613
JPRS-22773	528
JPRS-22791	530
JPRS-22799	590
JPRS-22799 (p. 3-10)	591
JPRS-22799 (p. 11-27)	591
JPRS-22799 (p. 28-44)	591
JPRS-22799 (p. 45-53)	591
JPRS-22799 (p. 54-67)	591
JPRS-22799 (p. 68-77)	591
JPRS-22799 (p. 78-96)	590
JPRS-22799 (p. 97-112)	590
JPRS-22799 (p. 113-148)	591
JPRS-22799 (p. 149-160)	591
JPRS-22799 (p. 161-171)	540
JPRS-22804	577
JPRS-22804 (p. 6-7)	595
JPRS-22804 (p. 17)	580
JPRS-22804 (p. 31)	595
JPRS-22804 (p. 34-39)	577
JPRS-22804 (p. 40-42)	578
JPRS-22811	576
JPRS-22838	526
JPRS-22838 (p. 1-18)	526
JPRS-22838 (p. 19-45)	526
JPRS-22838 (p. 46-53)	526
JPRS-22840	548
JPRS-22842	530
JPRS-22842 (p. 1-2)	536
JPRS-22842 (p. 3-4)	551
JPRS-22842 (p. 5-6)	551
JPRS-22842 (p. 7-8)	538
JPRS-22842 (p. 9-10)	536
JPRS-22842 (p. 11-13)	538
JPRS-22842 (p. 14)	538
JPRS-22842 (p. 15-20)	853
JPRS-22842 (p. 21-22)	539
JPRS-22842 (p. 23-24)	536
JPRS-22842 (p. 25-26)	536
JPRS-22842 (p. 27)	544
JPRS-22842 (p. 28-29)	537
JPRS-22842 (p. 30)	539
JPRS-22842 (p. 31-32)	537
JPRS-22862	620
JPRS-22866	525
JPRS-22866 (p. 11-16)	525
JPRS-22866 (p. 25-28)	525
JPRS-22870	530
JPRS-22882	574
JPRS-22887	565
JPRS-22892	529
JPRS-22910	530
JPRS-22914	536
JPRS-22915	549
JPRS-22918	574
JPRS-22922	609
JPRS-22922 (p. 1-14)	529
JPRS-22922 (p. 15-39)	528
JPRS-22922 (p. 40-58)	612
JPRS-22922 (p. 59-66)	610
JPRS-22922 (p. 67-83)	610
JPRS-22922 (p. 84-104)	610
JPRS-22922 (p. 105-119)	610
JPRS-22922 (p. 120-133)	566
JPRS-22922 (p. 134-144)	610
JPRS-22922 (p. 145-168)	610
JPRS-22922 (p. 169-177)	610
JPRS-22922 (p. 178-201)	613
JPRS-22922 (p. 202-215)	613
JPRS-22922 (p. 216-244)	618
JPRS-22922 (p. 245-262)	618
JPRS-22922 (p. 263-282)	618
JPRS-22922 (p. 283-299)	618
JPRS-22922 (p. 300-305)	618
JPRS-22922 (p. 306-315)	611
JPRS-22922 (p. 316-338)	611
JPRS-22922 (p. 339-351)	612
JPRS-22922 (p. 352-367)	528
JPRS-22922 (p. 368-375)	618
JPRS-22922 (p. 376-381)	528
JPRS-22922 (p. 382-383)	528
JPRS-22922 (p. 384-389)	528
JPRS-22922 (p. 390-392)	528
JPRS-22922 (p. 393-398)	611
JPRS-22922 (p. 399-404)	528
JPRS-22922 (p. 405-408)	610
JPRS-22922 (p. 409-414/415)	611
JPRS-22922 (p. 416-420)	619
JPRS-22930	590
JPRS-22935	530
JPRS-22954	581
JPRS-22954 (p. 1-2)	581
JPRS-22954 (p. 3-4)	581
JPRS-22954 (p. 5-8)	581
JPRS-22954 (p. 21-23)	581
JPRS-22956	534
JPRS-22960	530
JPRS-22962	574
JPRS-22965	531
JPRS-22972	579
JPRS-22979	530
JPRS-22982	552
JPRS-22982 (p. 1-4)	555
JPRS-22982 (p. 5-9)	552
JPRS-22982 (p. 10-12)	552
JPRS-22982 (p. 13-14)	553
JPRS-22982 (p. 15-19)	572
JPRS-22982 (p. 20-21)	552
JPRS-22982 (p. 22-24)	553
JPRS-22984	525
JPRS-22985	601
JPRS-22985 (p. 1	602
JPRS-22985 (p. 13-14)	602
JPRS-22986	575
JPRS-22987	529
JPRS-22994	552
JPRS-22995	546
JPRS-23003	530
JPRS-23006	609
JPRS-23006 (p. 1-9)	617
JPRS-23006 (p. 10-18)	617
JPRS-23006 (p. 19-29)	578
JPRS-23006 (p. 30-39)	616
JPRS-23006 (p. 40-45)	617
JPRS-23006 (p. 46-53)	617
JPRS-23006 (p. 54-60)	616
JPRS-23006 (p. 61-66)	604
JPRS-23006 (p. 67-72)	611
JPRS-23006 (p. 73-81)	616
JPRS-23006 (p. 82-90)	615
JPRS-23006 (p. 91-100)	617
JPRS-23006 (p. 101-108)	616
JPRS-23006 (p. 109-121)	610
JPRS-23006 (p. 122-125)	617
JPRS-23006 (p. 126-132)	562
JPRS-23006 (p. 133-140)	617
JPRS-23006 (p. 141-150)	584
JPRS-23006 (p. 164-183)	615
JPRS-23022	531
JPRS-23028	605
JPRS-23029	550
JPRS-23029 (p. 5-10)	549
JPRS-23034	530
JPRS-23039	530
JPRS-23040	531
JPRS-23042	536
JPRS-23046	576
JPRS-23057	565
JPRS-23060	533
JPRS-23083	565
JPRS-23087	577
JPRS-23087 (p. 24-26)	579
JPRS-23087 (p. 27-28)	578
JPRS-23112	609
JPRS-23122	551
JPRS-23122 (p. 1-5)	536
JPRS-23122 (p. 6-10)	551

Number	Page
PRS-23122 (p. 11-18)	551
PRS-23122 (p. 19-20)	551
PRS-23122 (p. 21-25)	545
PRS-23122 (p. 26-30)	536
PRS-23122 (p. 31-38)	551
PRS-23122 (p. 39-46)	541
PRS-23129	567
PRS-23132	619
PRS-23133	569
PRS-23134	568
PRS-23134 (p. 1-21)	571
PRS-23134 (p. 22-34)	570
PRS-23134 (p. 93-101)	570
PRS-23152	570
PRS-23182	620
PRS-23186	581
PRS-23186 (p. 1-5)	578
PRS-23186 (p. 6-10)	577
PRS-23186 (p. 14-15)	577
PRS-23186 (p. 16-17)	536
PRS-23187	620
PRS-23187 (p. 1-9)	620
PRS-23187 (p. 10-16)	620
PRS-23187 (p. 17-19)	619
PRS-23207	571
PRS-23235	566
PRS-23235	567
PRS-23235 (p. 14-24)	567
PRS-23235 (p. 25-43)	566
PRS-23259	610
PRS-23265	571
PRS-23269	556
PRS-23279	604
PRS-23281 (p. 1-7)	573
PRS-23281 (p. 8-11)	574
PRS-23281 (p. 12-17)	573
PRS-23281 (p. 18-22)	573
PRS-23281 (p. 23-40)	572
PRS-23281 (p. 41-48)	573
PRS-23281 (p. 49-56)	531
PRS-23285	552
PRS-23285 (p. 2-20)	555
PRS-23285 (p. 21-49)	553
PRS-23285 (p. 50-54)	550
PRS-23286	538
PRS-23286 (p. 1-14)	538
PRS-23286 (p. 15-23)	549
PRS-23288	536
PRS-23297	539
PRS-23298	544
PRS-23299	542
PRS-23300	576
PRS-23300 (p. 3-4)	577
PRS-23300 (p. 36-38)	587
PRS-23300 (p. 39-43)	576
PRS-23300 (p. 60-63)	589
PRS-23300 (p. 78-104)	577
PRS-23302	620
PRS-23306	549
PRS-23312	576
PRS-23312 (p. 1-6)	576
PRS-23312 (p. 34-37)	586
PRS-23315	526
	574
PRS-23319	595
PRS-23321	602
PRS-23321 (p. 1-3)	603
PRS-23321 (p. 4-7)	603
PRS-23321 (p. 8-10)	602
PRS-23324	590
PRS-23331	531
PRS-23331 (p. 1-10)	532
PRS-23331 (p. 11-20)	554
PRS-23331 (p. 21-25)	553
PRS-23332	581
PRS-23335	556
PRS-23337	588
PRS-23340	576
PRS-23340 (p. 30-33)	526
PRS-23340 (p. 74-77)	526
PRS-23341	579
PRS-23343	568
PRS-23344	530
PRS-23350	605
PRS-23352	593
PRS-23355	565
PRS-23357	601
PRS-23359	544
PRS-23363	572
PRS-23364	609
PRS-23370	619
JPRS-23379	576
JPRS-23379 (p. 1)	575
JPRS-23379 (p. 2)	576
JPRS-23382	528
JPRS-23389	570
JPRS-23391	572
JPRS-23394	574
JPRS-23396	535
JPRS-23403	573
JPRS-23404	581
JPRS-23404 (p. 13-19)	581
JPRS-23407	566
JPRS-23407 (p. 1-49)	567
JPRS-23407 (p. 50-59)	567
JPRS-23460	531
JPRS-R-3096-D	540
KUKO-16	588
KUKO-21	588
KUKO-26	587
KUKO-31	588
KUKO-44	587
KUKO-46B	587
KUKO-50	588
KUKO-52A	587
KUKO-54	588
KUKO-64	588
KUKO-66	588
KUKO-92	587
KUKO-103	588
KUKO-106	587
N63-22264	592
N63-22265	592
N63-(22265-22270)	592
N63-22266	593
N63-22267	593
N63-22268	592
N63-22269	592
N63-22270	593
N64-10856	534
N64-12357	550
N64-13162	605
N64-13320	550
N64-13467	566
N64-13908	600
N64-14074	546
N64-13086	531
N64-14133	536
N64-14134	534
N64-14147	529
N64-14148	549
N64-14149	552
N64-14254	579
N64-14523	531
N64-14536	619
N64-14921	567
N64-14996	610
N64-15412	571
N64-15417	619
NASA-TT-F-81	592
NASA-TT-F-81 (p. 4-50)	592
NASA-TT-F-81 (p. 51-77)	593
NASA-TT-F-81 (p. 78-98)	593
NASA-TT-F-81 (p. 99-105)	592
NASA-TT-F-81 (p. 106-131)	592
NASA-T-F-81 (p. 132-166)	592
NASA-TT-T-81 (p. 167-189)	593
NIH-7-27-63	532
NIH-7-28-63	533
NRL-Trans-956	532
PB-40814	588
PB-40817	587
PB-40823	588
PB-40836	587
PB-40837	588
PB-40840	587
PB-40848	587
PB-40877	588
PB-40898	587
PB-76308	588
PB-76315	588
PB-76316	588
PB-76324	588
PB-76327	587
PL-480-AEC (TT-63-11181)	609
PL-480-AEC (TT-63-11182)	609
PL-480-AEC (TT-63-11460/4) p. 187-196	612
PL-480-AEC (TT-63-11460/4) p. 197-205	605
PL-480-AEC (TT-63-11460/4) p. 206-218	599
PL-480-AEC (TT-63-11460/4) p. 219-232	599
PL-480-AEC (TT-63-11460/4) p. 233-235	578
PL-480-AEC (TT-63-11460/4) p. 236-246	548
PL-480-AEC (TT-63-11460/4) p. 249-252	605
PL-480 Agr (TT-60-21227)	527
PL-480 Agr (TT-60-21227) p. 1-27	527
PL-480 Agr (TT-60-21227) p. 28-52	528
PL-480 Agr (TT-60-21227) p. 53-60	527
PL-480 Agr (TT-60-21227) p. 61-68	527
PL-480 Agr (TT-60-21227) p. 69-105	527
PL-480 Agr (TT-60-21227) p. 106-132	527
PL-480 Agr (TT-61-31276)	535
PL-480 HEW (TT-62-11066/5-6)	539
PL-480 HEW (TT-62-11758/1-2)	552
PL-480 HEW (TT-62-11759/1-2)	530
PL-480 HEW (TT-62-11759/1-2) p. 5-11	535
PL-480 HEW (TT-62-11759/1-2) p. 13-43	531
PL-480 HEW (TT-62-11759/1-2) p. 45-60	531
PL-480 HEW (TT-62-11759/1-2 p. 61-64	535
PL-480 HEW (TT-62-11759/1-2) p. 69-76	554
PL-480 HEW (TT-62-11759/1-2) p. 77-84	553
PL-480 HEW (TT-62-11759/1-2) p. 85-112	554
PL-480 HEW (TT-62-11759/1-2) p. 113-119	534
PL-480 HEW (TT-62-11759/1-2) p. 121-128	553
PL-480 HEW (TT-62-11759/1-2) p. 129-136	548
PL-480 HEW (TT-62-11759/1-2) p. 137-148	533
PL-480 HEW (TT-62-11760/2)	538
PL-480 HEW (TT-62-11760/2) p. 5-19	543
PL-480 HEW (TT-62-11760/2) p. 20-27	549
PL-480 HEW (TT-62-11760/2) p. 28-37	538
PL-480 HEW (TT-62-11760/2) p. 38-42	540
PL-480 HEW (TT-62-11760/2) p. 43-49	541
PL-480 HEW (TT-62-11760/2) p. 50-53	542
PL-480 HEW (TT-62-11760/2) p. 54-63	547
PL-480 HEW (TT-62-11760/2) p. 64-72	533
PL-480 HEW (TT-62-11760/2) p. 73-79	533
PL-480 HEW (TT-62-11760/2) p. 80-88	534
PL-480 HEW (TT-62-11760/2) p. 89-95	544
PL-480 HEW (TT-62-1176/2) p. 96-97	543
PL-480 HEW (TT-62-11760/3-4	539
PL-480 HEW (TT-62-11760/3-4) p. 5-16	540
PL-480 HEW (TT-62-11760/3-4) p. 17-24	532
PL-480 HEW (TT-62-11760/3-4) p. 25-35	544
PL-480 HEW (TT-62-11760/3-4) p. 37-44	542
PL-480 HEW (TT-62-11760/3-4) p. 45-56	543
PL-480 HEW (TT-62-11760/3-4) p. 57-62	532
PL-480 HEW (TT-62-11760/3-4) p. 63-68	532
PL-480 HEW (TT-62-11760/3-4) p. 69-76	534
PL-480 HEW (TT-62-11760/3-4) p. 77-82	545
PL-480 HEW (TT-62-11760/3-4) p. 83-88	543
PL-480 HEW (TT-63-11411/2)	530
PL-480 HEW (TT-63-11411/2 p. 107-119	537
PL-480 HEW (TT-63-11411/2 p. 120-131	537
PL-480 HEW (TT-63-11411/2 p. 132-138	537
PL-480 HEW (TT-63-11411/2) p. 139-147	537
PL-480 HEW (TT-63-11411/2) p. 148-155	537
PL-480 HEW (TT-63-11411/2) p. 156-166	536
PL-480 HEW (TT-63-11411/2) p. 167-174	540
PL-480 HEW (TT-63-11411/2) p. 175-184	537
PL-480 HEW (TT-63-11174)	533
PL-480 HEW (TT-63-11176)	538
PL-480 Int (TT-61-11349)	575
PL-480 Int (TT-62-11756/1)	568
PL-480 Int (TT-62-11756/1) p. 5-24	569
PL-480 Int (TT-62-11756/1) p. 25-38	569
PL-480 Int (TT-62-11756/1) p. 39-50	569
PL-480 Int (TT-62-11756/1) p. 51-78	569
PL-480 Int (TT-62-11756/1) p. 79-92	568
PL-480 Int (TT-62-11756/1) p. 93-96	569
PL-480 Int (TT-62-11756/1) p. 97-106	569
PL-480 Int (TT-62-11756/1) p. 107-122	569
PL-480 Int (TT-62-11756/1) p. 123-126	571
PL-480 Int (TT-62-11756/1 p. 127-130	570
PL-480 Int (TT-62-11756/1) p. 131-188	571

Number	Page
PL-480 Int (TT-62-11756/1) p. 189-200	571
PL-480 Int (TT-62-11756/1) p. 201-224	571
PL-480 Int (TT-62-11756/1) p. 225-238)	568
PL-480 Int (TT-62-11756/1) p. 239-258	571
PL-480 Int (TT-62-11756/1) p. 259-288	570
PL-480 Int (TT-62-11756/1) p. 289-294	570
PL-480 Int (TT-62-11756/1) p. 295-302	568
PL-480 Int (TT-62-11756/1) p. 303-312	569
PL-480 Int (TT-62-11756/1) p. 313-320	570
PL-480 Int (TT-62-11756/1) p. 321-346	570
PL-480 Int (TT-62-11756/1) p. 347-355	570
PL-480 Int (TT-62-19470/3)	593
PL-480 Int (TT-62-19470/3) p. 5-53	594
PL-480 Int (TT-62-19470/3) p. 55-70	594
PL-480 Int (TT-62-19470/3) p. 71-74	566
PL-480 Int (TT-63-11102)	554
PL-480 Int (TT-63-11102) p. 4-54	555
PL-480 Int (TT-63-11102 p. 55-67	568
PL-480 Int (TT-63-11102) p. 68-81	566
PL-480 Int (TT-63-11102) p. 82-99	573
PL-480 Int (TT-63-11102) p. 100-112	573
PL-480 Int (TT-63-11102) p. 113-124	573
PL-480 Int (TT-63-11102) p. 125-135	572
PL-480 Int (TT-63-11102) p. 136-151	572
PL-480 Int (TT-63-11102) p. 152-168	572
PL-480 Int (TT-63-11102) p. 169-184	572
PL-480 Int (TT-63-11102) p. 185-195	572
PL-480 Int (TT-63-11102) p. 196-204	573
PL-480 Int (TT-63-11102) p. 205-213	573
PL-480 Int (TT-63-11102) p. 214-220	573
PL-480 Int (TT-63-11102) p. 221-227	574
PL-480 Int (TT-63-11102) p. 228-248	554
PL-480 Int (TT-63-11102) p. 249-255)	555
PL-480 Int (TT-63-11102) p. 256-265	553
PL-480 Int (TT-63-11102) p. 266-276	555
PL-480 Int (TT-63-11102) p. 277-289	555
PL-480 Int (TT-63-11102) p. 290-304	555
PL-480 Int (TT-63-11102) p. 305-310	555
PL-480 Int (TT-63-11102) p. 311-323	556
PL-480 Int (TT-63-11102) p. 324-337	554
PL-480 Int (TT-63-11102) p. 338-348	554
PL-480 Int (TT-63-11102) p. 349-354	554
PL-480 Int (TT-63-11102) p. 355-360	555
PL-480 Int (TT-63-11102) p. 361-370	555
PL-480 Int (TT-63-11451)	593
PL-480 Int (TT-63-11451/1) p. 5-25	568
PL-480 Int (TT-63-11451/1) p. 27-40	593
PL-480 Int (TT-63-11451/1) p. 41-49	594
PL-480 Int (TT-63-11451/1) p. 51-63	594
PL-480 Int (TT-63-11451/1) p. 65-67	594
PL-480 Int (TT-63-11451/1) p. 69-80	594
PL-480 Int (TT-63-11451/1) p. 81-101	594
PL-480 Int (TT-63-11451/1) p. 103-112	594
PL-480 Int (TT-63-11451/1) p. 113-126	594
PL-480 Int (TT-63-11451/1) p. 127-138	594
PL-480 Int (TT-63-11451/1) p. 139-157	594
PL-480 Smi (TT-61-11242)	535
RSIC-45	592
RT-2145	561
RTS-2271	544
RTS-2273	619
RTS-2353	603
RTS-2412	583
TT-60-21227	527
TT-60-21227 (p. 1-27)	527
TT-60-21227 (p. 28-52)	528
TT-60-21227 (p. 53-60)	527
TT-60-21227 (p. 61-68)	527
TT-60-21227 (p. 69-105)	527
TT-60-21227 (p. 106-132)	527
TT-60-(21396-21401) see TT-60-21227	527
TT-61-11242	535
TT-61-11349	575
TT-61-14884	534
TT-61-31276	535
TT-62-11066/5-6	539
TT-62-11756/1	568
TT-62-11756/1 (p. 5-24)	569
TT-62-11756/1 (p. 25-38)	569
TT-62-11756/1 (p. 39-50)	569
TT-62-11756/1 (p. 61-78)	569
TT-62-11756/1 (p. 79-92)	568
TT-62-11756/1 (p. 93-96)	569
TT-62-11756/1 (p. 97-106)	569
TT-62-11756/1 (p. 107-122)	569
TT-62-11756/1 (p. 123-126)	571
TT-62-11756/1 (p. 127-130)	570
TT-62-11756/1 (p. 131-188)	571
TT-62-11756/1 (p. 189-200)	571
TT-62-11756/1 (p. 201-224)	571
TT-62-11756/1 (p. 225-238)	568
TT-62-11756/1 (p. 239-258)	571
TT-62-11756/1 (p. 259-288)	570
TT-62-11756/1 (p. 289-294)	570
TT-62-11756/1 (p. 295-302)	568
TT-62-11756/1 (p. 303-312)	569
TT-62-11756/1 (p. 313-320)	570
TT-62-11756/1 (p. 321-346)	570
TT-62-11756/1 (p. 347-355)	570
TT-62-11759/1-2	530
TT-62-11759/1-2 (p. 5-11)	535
TT-62-11759/1-2 (p. 13-43)	531
TT-62-11759/1-2 (p. 45-60)	531
TT-62-11759/1-2 (p. 61-64)	535
TT-62-11759/1-2 (p. 65-68)	552
TT-62-11759/1-2 (p. 69-76)	554
TT-62-11759/1-2 (p. 77-84)	553
TT-62-11759/1-2 (p. 85-112)	554
TT-62-11759/1-2 (p. 113-119)	534
TT-62-11759/1-2 (p. 121-128)	553
TT-62-11759/1-2 (p. 129-136	548
TT-62-11759/1-2 (p. 137-148)	533
TT-62-11760/2	538
TT-62-11760/2 (p. 5-19)	543
TT-62-11760/2 (p. 20-27)	549
TT-62-11760/2 (p. 28-37)	538
TT-62-11760/2 (p. 38-42)	540
TT-62-11760/2 (p. 43-49)	541
TT-62-11760/2 (p. 50-53)	542
TT-62-11760/2 (p. 54-63)	547
TT-62-11760/2 (p. 64-72)	533
TT-62-11760/2 (p. 73-79)	533
TT-62-11760/2 (p. 80-88)	534
TT-62-11760/2 (p. 89-95)	544
TT-62-11760/2 (p. 96-97)	543
TT-62-11760/3-4	539
TT-62-11760/3-4 (p. 5-16)	540
TT-62-11760/3-4 (p. 17-24)	532
TT-62-11760/3-4 (p. 25-35)	544
TT-62-11760/3-4 (p. 37-44)	542
TT-62-11760/3-4 (p. 45-56)	543
TT-62-11760/3-4 (p. 57-62)	532
TT-62-11760/3-4 (p. 63-68)	532
TT-62-11760/3-4 (p. 69-76)	534
TT-62-11760/3-4 (p. 77-82)	545
TT-62-11760/3-4 (p. 83-88)	543
TT-62-19470/3	593
TT-62-19470/3 (p. 5-53)	594
TT-62-19470/3 (p. 55-70)	594
TT-62-19470/3 (p. 71-74)	566
TT-62-26389	577
TT-62-26529	560
TT-62-26532	561
TT-62-26536	562
TT-62-26537	603
TT-62-26554	556
TT-62-26566	557
TT-62-26736	577
TT-62-28164	561
TT-62-28165	561
TT-62-28166	558
TT-62-28167	564
TT-62-28168	614
TT-62-28169	558
TT-62-28172	557
TT-62-28175	611
TT-62-28176	565
TT-62-28177	561
TT-62-28178	565
TT-62-28179	561
TT-62-28180	611
TT-62-28183	557
TT-62-28184	615
TT-62-28185	563
TT-62-28186	561
TT-62-28187	563
TT-62-28189	564
TT-62-28190	564
TT-62-28191	564
TT-62-28192	586
TT-62-28195	529
TT-62-28203	584
TT-62-28218	601
TT-62-28232	600
TT-62-28243	581
TT-62-28248	597
TT-62-28254	563
TT-62-28257	562
TT-62-28263	601
TT-62-28264	557
TT-62-28265	558
TT-62-28266	614
TT-62-28267	557
TT-62-28269	562
TT-62-28270	557
TT-62-28349	531
TT-62-28354	541
TT-62-28407	579
TT-62-28584	546
TT-62-28588	563
TT-62-28590	576
TT-62-28592	604
TT-62-28594	541
TT-62-28595	584
TT-62-28602	556
TT-62-28701	599
TT-62-28707	563
TT-62-28711	615
TT-62-28717	585
TT-62-28718	560
TT-62-28720	558
TT-62-28723	563
TT-62-28729	583
TT-62-28732	583
TT-62-28740	602
TT-62-28741	564
TT-62-28742	558
TT-62-28744	556
TT-62-28746	563
TT-62-28748	584
TT-62-28751	565
TT-62-28752	558
TT-62-28753	585
TT-62-28754	583
TT-62-28755	562
TT-62-28756	558
TT-62-28757	564
TT-62-28759	585
TT-62-28760	576
TT-62-28761	568
TT-62-28763	561
TT-62-28764	562
TT-62-28773	557
TT-62-28774	571
TT-62-28775	559
TT-62-28777	615
TT-62-28778	559
TT-62-28782	560
TT-62-28784	559
TT-62-28785	562
TT-62-28787	561
TT-62-28795	614
TT-62-28798	564
TT-62-28800	559
TT-62-28803	603
TT-62-28804	601
TT-62-28806	612
TT-62-28834	527
TT-62-28861	528
TT-62-28863	586
TT-62-28869	586
TT-62-28872	586
TT-62-28879	547
TT-62-28881	537
TT-62-28889	547
TT-62-28907	546
TT-62-29190	562
TT-62-29191	583
TT-62-29198	535
TT-62-29302	603
TT-62-29303	565
TT-62-29305	565
TT-62-29308	585
TT-63-11102	554
TT-63-11102 (p. 4-54)	555
TT-63-11102 (p. 55-67)	568
TT-63-11102 (p. 68-81)	566
TT-63-11102 (p. 82-99)	573
TT-63-11102 (p. 100-112)	573
TT-63-11102 (p. 113-124)	573
TT-63-11102 (p. 125-135)	572
TT-63-11102 (p. 136-151)	572
TT-63-11102 (p. 152-168)	572
TT-63-11102 (p. 169-184)	572
TT-63-11102 (p. 185-195)	572

Number	Page
TT-63-11102 (p. 196-204)	573
TT-63-11102 (p. 205-213)	573
TT-63-11102 (p. 214-220)	573
TT-63-11102 (p. 221-227)	574
TT-63-11102 (p. 228-248)	554
TT-63-11102 (p. 249-255)	555
TT-63-11102 (p. 256-265)	553
TT-63-11102 (p. 266-276)	555
TT-63-11102 (p. 277-289)	555
TT-63-11102 (p. 290-304)	555
TT-63-11102 (p. 305-310)	555
TT-63-11102 (p. 311-323)	556
TT-63-11102 (p. 324-337)	554
TT-63-11102 (p. 338-348)	554
TT-63-11102 (p. 349-354)	554
TT-63-11102 (p. 355-360)	555
TT-63-11102 (p. 361-370)	555
TT-63-11174 .	533
TT-63-11176	538
TT-63-11181 (AEC-tr-5331)	609
TT-63-11182 (AEC-tr-5332)	609
TT-63-11411/2	530
TT-63-11411/2 (p. 107-119)	537
TT-63-11411/2 (p. 120-131)	537
TT-63-11411/2 (p. 132-138)	537
TT-63-11411/2 (p. 139-147)	537
TT-63-11411/2 (p. 148-155)	537
TT-63-11411/2 (p. 156-166)	536
TT-63-11411/2 (p. 167-174)	540
TT-63-11411/2 (p. 175-184)	537
TT-63-11451/1	593
TT-63-11451/1 (p. 5-25)	568
TT-63-11451/1 (p. 27-40)	593
TT-63-11451/1 (p. 41-49)	594
TT-63-11451/1 (p. 51-63)	594
TT-63-11451/1 (p. 65-67)	594
TT-63-11451/1 (p. 69-80)	594
TT-63-11451/1 (p. 81-101)	594
TT-63-11451/1 (p. 103-112)	594
TT-63-11451/1 (p. 113-126)	594
TT-63-11451/1 (p. 127-138)	594
TT-63-11451/1 (p. 139-157)	594
TT-63-11460/4 (AEC-tr-5737/4)	604
TT-63-11460/4 (p. 187-196)	612
TT-63-11460/4 (p. 197-205)	605
TT-63-11460/4 (p. 206-218)	599
TT-63-11460/4 (p. 219-232)	599
TT-63-11460/4 (p. 233-235)	578
TT-63-11460/4 (p. 236-246	548
TT-63-11460/4 (p. 249-252)	605
TT-63-11732 (NASA-TT-F-81)	592
TT-63-11732 (p. 4-50)	592
TT-63-11732 (p. 51-77)	593
TT-63-11732 (p. 78-98)	593
TT-63-11732 (p. 99-105)	592
TT-63-11732 (p. 106-131)	592
TT-63-11732 (p. 132-166)	592
TT-63-11732 (p. 167-189)	593
TT-63-12784-12 (NLL)	610
TT-63-12784-12 (p. 1053-1089)	611
TT-63-12784-12 (p. 1090-1100)	531
TT-63-12784-12 (p. 1101-1122)	615
TT-63-19151	528
TT-63-19274	560
TT-63-19602	618
TT-63-19603	618
TT-63-19797	616
TT-63-19842	568
TT-63-20677	613
TT-63-20811	560
TT-63-20886	605
TT-63-20995	564
TT-63-23119	543
TT-63-23342	554
TT-63-23354	559
TT-63-23355	556
TT-63-23365	585
TT-63-23366	587
TT-63-23378	563
TT-63-23380	604
TT-63-23382	603
TT-63-23402	580
TT-63-23498	585
TT-63-23500	585
TT-63-23505	586
TT-63-23511	587
TT-63-23515	587
TT-63-23516	557
TT-63-23544	528
TT-63-23548	533
TT-63-23549	532
TT-63-23568	577
TT-63-23572	578
TT-63-23701	540
TT-63-23766	592
TT-63-23819	591
TT-63-23836	540
TT-63-23857	548
TT-63-23858	540
TT-63-23889	550
TT-63-23908	533
TT-63-23954	596
TT-63-23965	603
TT-63-23982	585
TT-63-24404	558
TT-63-24408	577
TT-63-24409	580
TT-63-24412	583
TT-63-24415	612
TT-63-24419	578
TT-63-24421	605
TT-63-24505	545
TT-63-24524	541
TT-63-41163	601
TT-63-41163 (p. 4-5)	601
TT-63-41163 (p. 6-7)	576
TT-63-41163 (p. 15)	568
TT-63-41163 (p. 22-25)	600
TT-63-41228	534
TT-63-41228 (p. 1-4)	547
TT-63-41228 (p. 5-8)	548
TT-63-41228 (p. 9-13)	548
TT-63-41228 (p. 14-16)	550
TT-63-41228 (p. 17-21)	535
TT-64-10160	563
TT-64-10183	587
TT-64-10199	556
TT-64-10242	588
TT-64-10243	587
TT-64-10244	588
TT-64-10245	587
TT-64-10246	588
TT-64-10248	588
TT-64-10249	588
TT-64-10253	588
TT-64-10254	587
TT-64-10260	587
TT-64-10265	587
TT-64-10266	587
TT-64-10268	588
TT-64-10273	588
TT-64-10307	557
TT-64-10312	546
TT-64-10313	545
TT-64-10319	589
TT-64-10333	527
TT-64-10339	590
TT-64-10351	620
TT-64-10353	526
TT-64-10358	538
TT-64-10359	525
TT-64-10368	597
TT-64-10371	615
TT-64-10378	612
TT-64-10379	612
TT-64-10393	546
TT-64-10396	600
TT-64-10397	558
TT-64-10405	575
TT-64-10407	578
TT-64-10420	546
TT-64-10426	557
TT-64-10447	561
TT-64-10458	561
TT-64-10481	584
TT-64-10489	584
TT-64-10504	575
TT-64-10505	575
TT-64-10506	575
TT-64-10508	579
TT-64-10510	533
TT-64-10515	559
TT-64-10542	619
TT-64-10563	602
TT-64-10565	584
TT-64-10566	584
TT-64-10601	527
TT-64-10616	613
TT-64-10640	560
TT-64-10641	559
TT-64-10643	558
TT-64-10644	559
TT-64-10645	585
TT-64-10646	559
TT-64-10648	558
TT-64-10651	559
TT-64-10652	560
TT-64-10656	560
TT-64-10659	560
TT-64-10660	609
TT-64-10662	560
TT-64-10700	565
TT-64-10802	611
TT-64-11513	583
TT-64-11515	532
TT-64-11556 (AEC-tr-5834)	600
TT-64-11556 (p. 3-17)	598
TT-64-11556 (p. 18-32)	598
TT-64-11556 (p. 33-44)	598
TT-64-11556 (p. 45-62)	598
TT-64-11556 (p. 63-79)	599
TT-64-11556 (p. 80-84)	599
TT-64-11556 (p. 85-97)	598
TT-64-11556 (p. 98-117)	598
TT-64-11556 (p. 118-130)	597
TT-64-11556 (p. 131-153)	598
TT-64-11556 (p. 154-176)	598
TT-64-11556 (p. 177-184)	597
TT-64-11556 (p. 185-199)	598
TT-64-11556 (p. 200-212)	598
TT-64-11556 (p. 213-231)	598
TT-64-11556 (p. 232-247)	598
TT-64-11556 (p. 248-277)	599
TT-64-11556 (p. 278-288)	599
TT-64-11556 (p. 289-293)	600
TT-64-11556 (p. 294-306)	600
TT-64-11556 (p. 307-320)	595
TT-64-11556 (p. 321-336)	595
TT-64-11556 (p. 337-347)	596
TT-64-11556 (p. 348-360)	595
TT-64-11556 (p. 361-366)	595
TT-64-11556 (p. 367-375)	593
TT-64-11556 (p. 376-394)	595
TT-64-11556 (p. 395-402)	596
TT-64-11556 (p. 403-408)	595
TT-64-11556 (p. 409-418)	597
TT-64-11556 (p. 419-429)	597
TT-64-11556 (p. 430-436)	597
TT-64-11556 (p. 437-446)	600
TT-64-11556 (p. 447-461)	600
TT-64-11556 (p. 462-469)	600
TT-64-11558	578
TT-64-11559	549
TT-64-11562 (AEC-tr-5436)	547
TT-64-11574	579
TT-64-12388 (ATS-73Q73G)	586
TT-64-12403 (ATS-38Q73R)	560
TT-64-12411 (ATS-63Q73H)	585
TT-64-12478 (TTIS-NS-175)	586
TT-64-12479 (TTIS-NS-174)	595
TT-64-12507 (TTIS-NS-173)	580
TT-64-12508 (TTIS-NS-172)	583
TT-64-12509 (TTIS-NS-171)	580
TT-64-12510 (TTIS-NS-176)	586
TT-64-12511 (TTIS-NS-170)	578
TT-64-12512 (TTIS-NS-177)	584
TT-64-12513 (TTIS-NS-169)	586
TT-64-12526 (TTIS-NS-168)	586
TT-64-12527 (TTIS-NS-167)	583
TT-64-12528 (TTIS-NS-166)	604
TT-64-12529 (TTIS-NS-165)	586
TT-64-12585 (HB-6164)	601
TT-64-12588 (HB-6151)	595
TT-64-12591 (HB-5709)	602
TT-64-12592 (HB-6035)	597
TT-64-12593 (HB-6040)	596
TT-64-12594 (HB-6149)	596
TT-64-12595 (HB-6141)	603
TT-64-12597 (HB-5613)	580
TT-64-12598 (HB-5070)	601
TT-64-12599 (HB-6084)	602
TT-64-12600 (HB-6111)	599
TT-64-12605 (HB-6082)	600
TT-64-12606 (HB-5919)	599
TT-64-12607 (HB-5353)	584
TT-64-12608 (HB-6066)	579
TT-64-12609 (HB-6070)	600
TT-64-12610 (HB-6109)	603
TT-64-12611 (HB-5080)	602
TT-64-12612 (HB-6153)	600
TT-64-12613 (HB-6159)	596
TT-64-12615 (HB-5043)	580
TT-64-12616 (HB-5703)	602
TT-64-12618 (HB-6148)	603
TT-64-12621 (HB-6183)	602
TT-64-12622 (HB-5764)	601
TT-64-12623 (HB-6184)	602
TT-64-12646 (p. 1-40) (Sobolev)	590
TT-64-12646 (p. 41-46) (Gil')	589
TT-64-12646 (p. 47-58) (Ding)	589
TT-64-12646 (p. 59-121) (Starzhinskii)	590
TT-64-12646 (p. 123-187 (Starzhinskii)	590
TT-64-12646 (p. 189-231 (Andronov)	589
TT-64-12646 (p. 233-275) (Anosov)	589
TT-64-12646 (p. 277-283) (Oleinik)	589
TT-64-12646 (p. 285-290) (Oleinik)	589
TT-64-12646 (p. 291-321) (Kolmogorov)	619
TT-64-12646 (p. 323-438) (Dobrushin)	619
TT-64-13254	583
TT-64-13326	529
TT-64-13354	529
TT-64-13357	529
TT-64-13368	544
TT-64-13369	619
TT-64-13382	603
TT-64-13392	583
TT-64-13393	543
TT-64-13404	534
TT-64-13405	541
TT-64-13411	545
TT-64-13413	533
TT-64-13417	546
TT-64-13424	545
TT-64-13426	547
TT-64-13430	542
TT-64-13431	532
TT-64-13432	534
TT-64-13434	543
TT-64-13443	544
TT-64-13446	546
TT-64-13456	546
TT-64-13458	545
TT-64-13463	539
TT-64-13470	542
TT-64-13471	543
TT-64-13477	546
TT-64-13497	542
TT-64-13504	547
TT-64-13506	551
TT-64-13508	541
TT-64-13514	537
TT-64-13515	536
TT 64-13516	532
TT-64-13518	545
TT-64-13522	526
TT-64-13525	549
TT-64-13526	541
TT-64-13527	550
TT-64-13531	532
TT-64-13575	582
TT-64-13577	611
TT-64-13578	611
TT-64-13579	580

Number	Page
TT-64-13580	582
TT-64-13581	582
TT-64-13582	582
TT-64-13583	581
TT-64-13612	615
TT-64-13621	604
TT-64-13621 (p. 1-2)	608
TT-64-13621 (p. 3-7)	609
TT-64-13621 (p. 8-12)	613
TT-64-13621 (p. 13-19)	605
TT-64-13621 (p. 20-21)	609
TT-64-13621 (p. 22-23)	606
TT-64-13621 (p. 24-32)	607
TT-64-13621 (p. 33-39)	607
TT-64-13621 (p. 40-44)	606
TT-64-13621 (p. 45-53)	604
TT-64-13621 (p. 54-56)	604
TT-64-13621 (p. 57-58)	607
TT-64-13621 (p. 59-61)	607
TT-64-13621 (p. 62-73)	606
TT-64-13621 (p. 74-77)	607
TT-64-13621 (p. 79-80)	606
TT-64-13621 (p. 81-85)	606
TT-64-13621 (p. 86-90)	605
TT-64-13621 (p. 91-94)	615
TT-64-13621 (p. 95-98)	613
TT-64-13621 (p. 99-103)	604
TT-64-13621 (p. 104-106)	608
TT-64-13621 (p. 107-110)	605
TT-64-13621 (p. 114-121)	605
TT-64-13621 (p. 122-147)	607
TT-64-13621 (p. 148-163)	608
TT-64-13621 (p. 164-172)	608
TT-64-13621 (p. 173-176)	606
TT-64-13621 (p. 178-179)	607
TT-64-13621 (p. 180-201)	607
TT-64-13621 (p. 202-203)	607
TT-64-13621 (p. 204-209)	608
TT-64-13621 (p. 212-214)	609
TT-64-13621 (p. 215-219)	606
TT-64-13621 (p. 220-224)	608
TT-64-13621 (p. 225-230)	608
TT-64-13621 (p. 231-234)	608
TT-64-13621 (p. 235-241)	608
TT-64-13621 (p. 243-246)	608
TT-64-13621 (p. 247-252)	608
TT-64-13621 (p. 253-258)	607
TT-64-13621 (p. 259-262)	612
TT-64-13621 (p. 263-268)	613
TT-64-13621 (p. 269-273)	612
TT-64-13621 (p. 274-276)	613
TT-64-13621 (p. 277-280)	612
TT-64-13621 (p. 281-286)	612
TT-64-13621 (p. 287-302)	614
TT-64-13621 (p. 304-307)	606
TT-64-13621 (p. 308-313)	614
TT-64-13621 (p. 314-318)	615
TT-64-13621 (p. 320)	614
TT-64-13621 (p. 321-323)	614
TT-64-13621 (p. 324-325)	614
TT-64-13621 (p. 328-329)	614
TT-64-13621 (p. 330-332)	606
TT-64-13621 (p. 333-338)	606
TT-64-13623	551
TT-64-13659	594
TT-64-13665	528
TT-64-13687	568
TT-64-13687 (p. 1-6)	568
TT-64-13687 (p. 7-12)	566
TT-64-13687 (p. 13-17)	566
TT-64-13687 (p. 18-28)	569
TT-64-13687 (p. 29-34)	568
TT-64-13687 (p. 35-43)	566
TT-64-13687 (p. 44-50)	570
TT-64-13687 (p. 51-58)	571
TT-64-13687 (p. 59-62)	620
TT-64-13690	591
TT-64-13697	526
TT-64-13698	575
TT-64-13699	592
TT-64-13702	575
TT-64-13704	589
TT-64-13718	579
TT-64-13812	544
TT-64-13813	542
TT-64-13814	543
TT-64-13815	544
TT-64-13817	549
TT-64-13818	533
TT-64-13819	840
TT-64-13820	535
TT-64-13821	539
TT-64-13822	538
TT-64-13823	538
TT-64-13824	538
TT-64-13825	534
TT-64-13826	534
TT-64-13827	545
TT-64-13828	534
TT-64-13829	533
TT-64-13830	532
TT-64-13831	542
TT-64-13832	534
TT-64-13833	549
TT-64-13834	548
TT-64-13835	550
TT-64-13836	547
TT-64-13837	547
TT-64-13838	548
TT-64-13839	548
TT-64-13840	548
TT-64-13841	550
TT-64-13842	544
TT-64-13843	545
TT-64-13844	539
TT-64-13845	550
TT-64-13846	544
TT-64-13847	540
TT-64-13848	540
TT-64-13849	543
TT-64-13850	543
TT-64-13851	539
TT-64-13852	540
TT-64-13853	541
TT-64-13854	543
TT-64-13855	541
TT-64-13856	546
TT-64-13857	546
TT-64-13858	542
TT-64-13859	536
TT-64-13860	542
TT-64-13861	533
TT-64-13862	541
TT-64-13863	541
TT-64-13864	542
TT-64-13865	549
TT-64-13866	549
TT-64-13867	550
TT-64-13868	550
TT-64-13869	547
TT-64-14088	556
TT-64-14103	556
TT-64-14113	585
TT-64-14128	620
TT-64-14224	583
TT-64-14305	535
TT-64-14343	583
TT-64-14352	558
TT-64-14368	556
TT-64-14376	559
TT-64-14394	560
TT-64-14409	562
TT-64-14413	565
TT-64-14488	580
TT-64-14502	545
TT-64-21024	552
TT-64-21035	526
TT-64-21035 (p. 1-5)	527
TT-64-21035 (p. 6-13)	527
TT-64-21035 (p. 14-17)	527
TT-64-21137	619
TT-64-21137 (p. 1-7)	578
TT-64-21137 (p. 8-13)	579
TT-64-21137 (p. 14-31)	579
TT-64-21137 (p. 32-39)	590
TT-64-21137 (p. 40-51)	590
TT-64-21137 (p. 52-61)	588
TT-64-21137 (p. 62-71)	574
TT-64-21137 (p. 72-84)	574
TT-64-21137 (p. 85-90)	574
TT-64-21137 (p. 91-104)	577
TT-64-21137 (p. 105-114)	613
TT-64-21137 (p. 115-125)	613
TT-64-21137 (p. 125-134)	574
TT-64-21137 (p. 135-153)	582
TT-64-21137 (p. 154-163)	578
TT-64-21137 (p. 164-175)	616
TT-64-21137 (p. 176-183)	582
TT-64-21137 (p. 184-186)	578
TT-64-21137 (p. 187-190)	575
TT-64-21150	529
TT-64-21150 (p. 1)	551
TT-64-21150 (p. 2-5)	551
TT-64-21150 (p. 6-9)	535
TT-64-21150 (p. 10-11)	551
TT-64-21150 (p. 12-14)	544
TT-64-21150 (p. 15-16)	539
TT-64-21150 (p. 17-18)	537
TT-64-21150 (p. 19)	539
TT-64-21150 (p. 20-21)	551
TT-64-21150 (p. 22-24)	539
TT-64-21150 (p. 25-26)	539
TT-64-21181	609
TT-64-21181 (p. 1-8)	617
TT-64-21181 (p. 9-19)	616
TT-64-21181 (p. 20-30)	617
TT-64-21181 (p. 31-37)	617
TT-64-21181 (p. 38-48)	617
TT-64-21181 (p. 49-59)	616
TT-64-21181 (p. 60-66)	562
TT-64-21181 (p. 67-77)	564
TT-64-21181 (p. 78-89)	564
TT-64-21181 (p. 90-96)	617
TT-64-21181 (p. 97-113)	562
TT-64-21181 (p. 114-122)	610
TT-64-21181 (p. 123-131)	589
TT-64-21181 (p. 132-141)	616
TT-64-21181 (p. 142-153)	596
TT-64-21181 (p. 154-161)	617
TT-64-21181 (p. 162-168)	616
TT-64-21181 (p. 169-175)	615
TT-64-21181 (p. 176-187)	611
TT-64-21181 (p. 188-190)	616
TT-64-21181 (p. 191-209)	616
TT-64-21190	550
TT-64-21193	618
TT-64-21193 (p. 10-15)	619
TT-64-21193 (p. 16-18)	535
TT-64-21193 (p. 26)	531
TT-64-21193 (p. 27-31)	614
TT-64-21193 (p. 32-37)	572
TT-64-21193 (p. 38-39a)	572
TT-64-21193 (p. 40-44)	538
TT-64-21210	552
TT-64-21210 (p. 1-17)	571
TT-64-21210 (p. 18-29)	556
TT-64-21210 (p. 30-39)	553
TT-64-21214	550
TT-64-21216	620
TT-64-21216 (p. 1-9)	620
TT-64-21216 (p. 10-28)	620
TT-64-21216 (p. 29-42)	620
TT-64-21227	619
TT-64-21227 (p. 1-6)	537
TT-64-21227 (p. 7-24)	537
TT-64-21227 (p. 25-27)	525
TT-64-21246	575
TT-64-21246 (p. 1-6)	593
TT-64-21246 (p. 7-10)	575
TT-64-21246 (p. 11-23)	593
TT-64-21246 (p. 24-32)	593
TT-64-21246 (p. 33-39)	592
TT-64-21246 (p. 40-51)	591
TT-64-21246 (p. 52-58)	592
TT-64-21246 (p. 59-70/71)	582
TT-64-21246 (p. 72-77)	593
TT-64-21246 (p. 78-84)	592
TT-64-21246 (p. 85-94)	582
TT-64-21246 (p. 95-105)	582
TT-64-21246 (p. 106-112)	594
TT-64-21246 (p. 113-125)	582
TT-64-21246 (p. 126-136)	617
TT-64-21246 (p. 137-144)	582
TT-64-21246 (p. 145-152)	592
TT-64-21246 (p. 153-165)	589
TT-64-21246 (p. 166-172)	579
TT-64-21246 (p. 173-177)	619
TT-64-21247	605
TT-64-21258	531
TT-64-21263	595
TT-64-21263 (p. 1-7)	597
TT-64-21263 (p. 8-26)	597
TT-64-21263 (p. 27-38)	596
TT-64-21263 (p. 39-45)	597
TT-64-21263 (p. 46-63)	597
TT-64-21263 (p. 64-78)	599
TT-64-21263 (p. 79-96)	599
TT-64-21263 (p. 97-105)	596
TT-64-21263 (p. 106-117)	596
TT-64-21263 (p. 118-123)	596
TT-64-21263 (p. 124-138)	596
TT-64-21263 (p. 139-145)	596
TT-64-21263 (p. 146-162)	597
TT-64-21266	567
TT-64-21266 (p. 1-19)	567
TT-64-21266 (p. 20-29)	567
TT-64-21266 (p. 30-40)	567
TT-64-21266 (p. 41-50)	568
TT-64-21267	552
TT-64-21267 (p. 1-16)	535
TT-64-21267 (p. 17-24)	554
TT-64-21267 (p. 25-35)	554
TT-64-21267 (p. 36-39)	555
TT-64-21267 (p. 40-50)	553
TT-64-21267 (p. 51-63)	553
TT-64-21267 (p. 64-67)	548
TT-64-21267 (p. 68-70)	552
TT-64-21267 (p. 71-71a)	553
TT-64-21267 (p. 72-74)	554
TT-64-21267 (p. 75-79)	555
TT-64-21284	566
TT-64-21293	601
TT-64-21293 (p. 4-7)	602
TT-64-21295	581
TT-64-21295 (p. 6)	581
TT-64-21295 (p. 16-17)	580
TT-64-21296	566
TT-64-21296 (p. 1-12)	567
TT-64-21296 (p. 13-18)	567
TT-64-21296 (p. 19-29)	567
TT-64-21303	574
TT-64-21308	618
TT-64-21308 (p. 1-46)	547
TT-64-21308 (p. 47-56)	613
TT-64-21312	528
TT-64-21326	530
TT-64-21334	590
TT-64-21334 (p. 3-10)	591
TT-64-21334 (p. 11-27)	591
TT-64-21334 (p. 28-44)	591
TT-64-21334 (p. 45-53)	591
TT-64-21334 (p. 54-67)	591
TT-64-21334 (p. 68-77)	591
TT-64-21334 (p. 78-96)	590
TT-64-21334 (p. 97-112)	590
TT-64-21334 (p. 113-148)	591
TT-64-21334 (p. 149-160)	591
TT-64-21334 (p. 161-171)	540
TT-64-21336	577
TT-64-21336 (p. 6-7)	595
TT-64-21336 (p. 17)	580
TT-64-21336 (p. 31)	595
TT-64-21336 (p. 34-39)	577
TT-64-21336 (p. 40-42)	578
TT-64-21338	576
TT-64-21355	528
TT-64-21355 (p. 1-18)	528
TT-64-21355 (p. 19-45)	528
TT-64-21355 (p. 46-53)	528
TT-64-21356	549
TT-64-21357	530
TT-64-21357 (p. 1-2)	536
TT-64-21357 (p. 3-4)	551
TT-64-21357 (p. 5-6)	551
TT-64-21357 (p. 7-8)	538
TT-64-21357 (p. 9-10)	536
TT-64-21357 (p. 11-13)	538
TT-64-21357 (p. 14)	538
TT-64-21357 (p. 15-20)	553
TT-64-21357 (p. 21-22)	539
TT-64-21357 (p. 23-24)	536
TT-64-21357 (p. 25-26)	536
TT-64-21357 (p. 27)	544
TT-64-21357 (p. 28-29)	537
TT-64-21357 (p. 30)	539
TT-64-21357 (p. 31-32)	537
TT-64-21370	620
TT-64-21372	525
TT-64-21372 (p. 11-16)	525
TT-64-21372 (p. 25-28)	525
TT-64-21374	530
TT-64-21377	574
TT-64-21382	565
TT-64-21386	529
TT-64-21394	530
TT-64-21397	536
TT-64-21398	549
TT-64-21400	574
TT-64-21402	609
TT-64-21402 (p. 1-14)	529

Number	Page
TT-64-21402 (p. 15-39)	528
TT-64-21402 (p. 40-58)	612
TT-64-21402 (p. 59-66)	610
TT-64-21402 (p. 67-83)	610
TT-64-21402 (p. 84-104)	610
TT-64-21402 (p. 105-119)	610
TT-64-21402 (p. 120-133)	566
TT-64-21402 (p. 134-144)	610
TT-64-21402 (p. 145-168)	610
TT-64-21402 (p. 169-177)	610
TT-64-21402 (p. 178-201)	613
TT-64-21402 (p. 202-215)	613
TT-64-21402 (p. 216-244)	618
TT-64-21402 (p. 245-262)	618
TT-64-21402 (p. 263-282)	618
TT-64-21402 (p. 283-299)	618
TT-64-21402 (p. 300-305)	618
TT-64-21402 (p. 306-315)	611
TT-64-21402 (p. 316-338)	611
TT-64-21403 (p. 339-351)	612
TT-64-21402 (p. 352-367)	528
TT-64-21402 (p. 368-375)	618
TT-64-21402 (p. 376-381)	529
TT-64-21402 (p. 382-383)	529
TT-64-21402 (p. 384-389)	529
TT-64-21402 (p. 390-392)	529
TT-64-21402 (p. 393-398)	611
TT-64-21402 (p. 399-404)	528
TT-64-21402 (p. 405-408)	610
TT-64-21402 (p. 409-414/415)	611
TT-64-21402 (p. 416-420)	619
TT-64-21405	590
TT-64-21410	530
TT-64-21418	581
TT-64-21418 (p. 1-2)	581
TT-64-21418 (p. 3-4)	581
TT-64-21418 (p. 5-8)	581
TT-64-21418 (p. 21-23)	581
TT-64-21420	534
TT-64-21421	530
TT-64-21423	574
TT-64-21425	531
TT-64-21427	579
TT-64-21428	530
TT-64-21431	552
TT-64-21431 (p. 1-4)	555
TT-64-21431 (p. 5-9)	552
TT-64-21431 (p. 10-12)	552
TT-64-21431 (p. 13-14)	553
TT-64-21431 (p. 15-19)	572
TT-64-21431 (p. 20-21)	552
TT-64-21431 (p. 22-24)	553
TT-64-21432	525
TT-64-21433	601
TT-64-21433 (p. 1)	602
TT-64-21433 (p. 13-14)	602
TT-64-21434	575
TT-64-21435	529
TT-64-21438	552
TT-64-21439	546
TT-64-21443	530
TT-64-21444	609
TT-64-21444 (p. 1-9)	617
TT-64-21444 (p. 10-18)	617
TT-64-21444 (p. 19-29)	578
TT-64-21444 (p. 30-39)	616
TT-64-21444 (p. 40-45)	617
TT-64-21444 (p. 46-53)	617
TT-64-21444 (p. 54-60)	616
TT-64-21444 (p. 61-66)	604
TT-64-21444 (p. 67-72)	611
TT-64-21444 (p. 73-81)	616
TT-64-21444 (p. 82-90)	615
TT-64-21444 (p. 91-100)	617
TT-64-21444 (p. 101-108)	616
TT-64-21444 (p. 109-121)	610
TT-64-21444 (p. 122-125)	617
TT-64-21444 (p. 126-132)	562
TT-64-21444 (p. 133-140)	617
TT-64-21444 (p. 141-150)	584
TT-64-21444 (p. 164-183)	615
TT-64-21453	531
TT-64-21457	605
TT-64-21458	550
TT-64-21458 (p. 5-10)	549
TT-64-21463	530
TT-64-21464	530
TT-64-21465	531
TT-64-21467	536
TT-64-21469	578
TT-64-21474	565
TT-64-21477	533
TT-64-21486	565
TT-64-21488	577
TT-64-21488 (p. 24-26)	579
TT-64-21488 (p. 27-28)	578
TT-64-21503	609
TT-64-21509	551
TT-64-21509 (p. 1-5)	536
TT-64-21509 (p. 6-10)	551
TT-64-21509 (p. 11-18)	551
TT-64-21509 (p. 19-20)	551
TT-64-21509 (p. 21-25)	545
TT-64-21509 (p. 26-30)	536
TT-64-21509 (p. 31-38)	551
TT-64-21509 (p. 39-46)	541
TT-64-21515	567
TT-64-21517	619
TT-64-21518	560
TT-64-21519	568
TT-64-21519 (p. 1-21)	571
TT-64-21519 (p. 22-34)	570
TT-64-21519 (p. 35-47)	570
TT-64-21524	570
TT-64-21537	620
TT-64-21539	581
TT-64-21539 (p. 1-5)	578
TT-64-21539 (p. 6-10)	577
TT-64-21539 (p. 14-15)	577
TT-64-21539 (p. 16-17)	536
TT-64-21540	620
TT-64-21540 (p. 1-9)	620
TT-64-21540 (p. 10-16)	620
TT-64-21540 (p. 17-19)	619
TT-64-21549	571
TT-64-21563	566
TT-64-21563 (p. 1-13)	567
TT-64-21563 (p. 14-24)	567
TT-64-21563 (p. 25-43)	566
TT-64-21578	610
TT-64-21579	571
TT-64-21582	556
TT-64-21586	604
TT-64-21588	572
TT-64-21588 (p. 1-7)	573
TT-64-21588 (p. 8-11)	574
TT-64-21588 (p. 12-17)	573
TT-64-21588 (p. 18-22)	573
TT-64-21588 (p. 23-40)	572
TT-64-21588 (p. 41-48)	573
TT-64-21588 (p. 49-56)	531
TT-64-21592	552
TT-64-21592 (p. 2-20)	555
TT-64-21592 (p. 21-49)	553
TT-64-21592 (p. 50-54)	550
TT-64-21593	538
TT-64-21593 (p. 1-14)	538
TT-64-21593 (p. 15-23)	549
TT-64-21595	536
TT-64-21599	539
TT-64-21600	544
TT-64-21601	542
TT-64-21602	576
TT-64-21602 (p. 3-4)	577
TT-64-21602 (p. 36-38)	587
TT-64-21602 (p. 39-43)	576
TT-64-21602 (p. 60-63)	589
TT-64-21602 (p. 78-104)	577
TT-64-21604	620
TT-64-21606	549
TT-64-21608	576
TT-64-21608 (p. 1-6)	576
TT-64-21608 (p. 34-37)	586
TT-64-21609	574
TT-64-21612	595
TT-64-21613	602
TT-64-21613 (p. 1-3)	603
TT-64-21613 (p. 4-7)	603
TT-64-21613 (p. 8-10)	602
TT-64-21614	590
TT-64-21615	531
TT-64-21615 (p. 1-10)	532
TT-64-21615 (p. 11-20)	554
TT-64-21615 (p. 21-25)	553
TT-64-21616	581
TT-64-21618	556
TT-64-21620	588
TT-64-21621	576
TT-64-21621 (p. 30-33)	526
TT-64-21621 (p. 74-77)	526
TT-64-21622	579
TT-64-21624	568
TT-64-21625	530
TT-64-21627	605
TT-64-21628	593
TT-64-21629	565
TT-64-21630	601
TT-64-21631	544
TT-64-21633	572
TT-64-21634	609
TT-64-21636	619
TT-64-21640	576
TT-64-21640 (p. 1)	575
TT-64-21640 (p. 2)	576
TT-64-21641	528
TT-64-21647	570
TT-64-21649	572
TT-64-21652	574
TT-64-21654	535
TT-64-21657	573
TT-64-21658	581
TT-64-21658 (p. 13-19)	581
TT-64-21659	566
TT-64-21659 (p. 1-49)	567
TT-64-21659 (p. 50-59)	567
TT-64-21685	531
TTIS-NS-165	586
TTIS-NS-166	604
TTIS-NS-167	583
TTIS-NS-168	586
TTIS-NS-169	586
TTIS-NS-170	578
TTIS-NS-171	580
TTIS-NS-172	583
TTIS-NS-173	580
TTIS-NS-174	595
TTIS-NS-175	586
TTIS-NS-176	586
TTIS-NS-177	584

U.S. DEPARTMENT OF COMMERCE FIELD OFFICES

SERVE THE BUSINESS COMMUNITY

The Department of Commerce maintains Field Offices to enable the business community to avail itself locally of Government facilities designed to promote commerce. Working closely with various units in the Department and, when necessary, with other Government agencies, the Field Offices provide business services to manufacturers, wholesalers, retailers, trade publications, trade associations, advertising agencies, research groups, financial institutions, and exporters and importers.

Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

COOPERATIVE OFFICES

To make the services of the Department of Commerce more widely available, agreements have been entered into with more than 750 Chambers of Commerce, Manufacturers Associations, and similar business groups under which these organizations have become official Cooperative Offices of the Department. If specific information is not on hand in the Cooperative Office, your problem will be referred to the nearest Departmental field office.

Department Field Offices

Albuquerque, N. Mex., 87101, U.S. Courthouse. 247-0311.
Anchorage, Alaska, 99501, Room 306, Loussac-Sogn Building. Phone: BR 2-9611.
Atlanta, Ga., 30303, 75 Forsyth St., N.W. JAckson 2-4121.
Birmingham, Ala., 35203, Title Bldg., 2030 Third Ave., North. Phone: 323-8011.
Boston, Mass., 02110, Room 230, 80 Federal Street. CApitol 3-2312.
Buffalo, N.Y., 14203, 504 Federal Building, 117 Ellicott St., TL 3-4216.
Charleston, S.C., 29401, No. 4 North Atlantic Wharf. Phone: 722-6551.
Charleston, W. Va., 25301, 3002 New Federal Office Bldg., 500 Quarrier St. Phone: 343-6196.
Cheyenne, Wyo., 82001, 207 Majestic Bldg., 16th & Capitol Ave. Phone: 634-2731.
Chicago, Ill., 60606, Room 1302, 226 West Jackson Blvd. 828-4400.
Cincinnati, Ohio, 45202, 809 Fifth Third Bank Bldg., 36 E. Fourth Street. 381-2200.
Cleveland, Ohio, 44101, 4th Floor, Federal Reserve Bank Bldg., East 6th St. & Superior Ave. 241-7900.
Dallas, Tex., 75202, Room 1200, 1114 Commerce St. RIverside 8-5611.
Denver, Colo., 80202, 142 New Custom House, 19th & Stout Street. 534-4151.
Detroit, Mich., 48226, 445 Federal Bldg. 226-6088.
Greensboro, N.C., 27402, Room 407, U.S. Post Office Bldg. 273-8234.
Hartford, Conn., 06103, 18 Asylum St. Phone: 244-3530.
Honolulu, Hawaii, 96813, 202 International Savings Bldg., 1022 Bethel St. Phone: 588874.
Houston, Tex., 77002, 5102 Federal Bldg., 515 Rusk Ave. CA 8-0611.
Jacksonville, Fla., 32202, 512 Greenleaf Building, 204 Laura Street. ELgin 4-7111.
Kansas City, Mo., 64106, Room 2011, 911 Walnut Street. BAltimore 1-7000.
Los Angeles, Calif., 90015, Room 450, Western Pacific Bldg., 1031 S. Broadway. 688-2830.
Memphis, Tenn., 38103, 345 Federal Office Bldg., 167 N. Main Street Phone: 534-3214.
Miami, Fla., 33132, 408 Ainsley Bldg., 14 N.E. First Ave. FRanklin 7-2581.
Milwaukee, Wis., 53203, Straus Bldg., 238 W. Wisconsin Ave. Phone: BR 2-8600.
Minneapolis, Minn., 55401, Room 304, Federal Bldg., 110 South Fourth Street. Phone: 334-2133.
New Orleans, La., 70130, 1508 Masonic Temple Bldg., 333 St. Charles Avenue. Phone: 527-6546.
New York, N.Y., 10001, 61st Fl., Empire State Bldg., 350 Fifth Ave. LOngacre 3-3377.
Philadelphia, Pa., 19107, Jefferson Building, 1015 Chestnut Street. WAlnut 3-2400.
Phoenix, Ariz., 85025, New Federal Bldg., 230 N. First Avenue. Phone: 261-3285.
Pittsburgh, Pa., 15222, 1030 Park Bldg., 355 Fifth Avenue. 471-0800.
Portland, Oreg., 97204, 217 Old U.S. Courthouse, 520 S.W. Morrison Street. 226-3361.
Reno, Nev., 89502, 1479 Wells Avenue. Phone: FA 2-7133.
Richmond, Va., 23240, 2105 Federal Building, 400 North 8th Street. Phone: 649-3611.
St. Louis, Mo., 63103, 2511 Federal Building, 1520 Market Street. MAin 2-4243.
Salt Lake City, Utah, 84101, 222 S.W. Temple St. 524-5116.
San Francisco, Calif., 94111, Room 419, Customhouse, 555 Battery St. YUkon 6-3111.
Santurce, Puerto Rico, 00907, Room 628, 605 Condado Ave. Phone: 723-4640.
Savannah, Ga., 31402, 235 U.S. Courthouse and Post Office Bldg., 125-29 Bull Street. ADams 2-4755.
Seattle, Wash., 98104, 809 Federal Office Bldg., 909 First Avenue. MUtual 2-3300.

UNITED STATES
GOVERNMENT PRINTING OFFICE
DIVISION OF PUBLIC DOCUMENTS
WASHINGTON, D.C. 20402

OFFICIAL BUSINESS